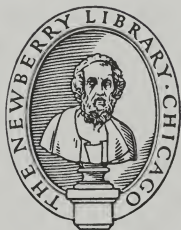


The Rand McNally
Photo=Auto Guide
CHICAGO to CLEVELAND
CLEVELAND to CHICAGO



Gift





OBITUARY NOTES

ANDREW McNALLY, chairman of the board of Rand McNally, died on May 20. He was 87 years old. Mr. McNally was born in Chicago, the son of Frederick G. McNally, who was the son of the first Andrew McNally, founder of the firm in 1856. Mr. McNally joined the staff of Rand McNally in 1907 after attending Yale University. He became president of the company in 1932 and chairman of the board in 1948.

In an article in the *Saturday Review* of January 21, 1950, Harland Manchester credits Mr. McNally with mapping out a route from Chicago to Milwaukee for the then new automobile enthusiast. Mr. McNally, on his honeymoon in June 1908, "set out to map the road between Chicago and Milwaukee. At every puzzling intersection he took a picture with a big box camera. Later, in the drafting room, a white arrow was painted on the photograph to indicate the route.

These road maps were published in bulky volumes. Rand McNally's Chicago-to-New York Photo Auto Guide, printed in 1909, ran to 200 pages, sold for five dollars, and contained 350 halftones of the intersections.

Since paved roads were almost unheard of, some guide books showed different routes for wet and dry weather." Mr. McNally, the article goes on to say, with John G. Brink, "veteran road-mapper, got the idea of sending men out to tack cardboard symbols on telephone poles along the way, so the symbols could be used on road maps instead of expensive halftones. . . . The idea caught on, and soon Rand McNally and other organizations were marking motor routes all over the country. . . . Rand McNally's slogan was 'Follow the Blazed Trail,' and its road-mapping drafting room is still called the 'blazed trail department.' "

Mr. McNally is survived by his wife, Eleanor Vilas McNally, three sons, Andrew McNally 3rd, president of the firm of Rand McNally, Frederick G. McNally and Ward McNally, and a daughter, Mrs. Eleanor Bodman.

JUNE 5, 1954

Go

HAGSTROM
BLOW-OUT
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CO.

Do You Wonder that the Splitdorf Product Leads the World?

The Most Marvelous Non-Stop Automobile Run
Ever Made—10,000 miles without stopping its engine
recently accomplished by a Maxwell car equipped with a

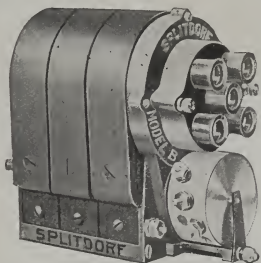
SPLITDORF MAGNETO

AND

COMMON SENSE PLUGS

Magneto and Plugs gave absolutely perfect ignition
during entire run.

It is comparatively easy for any Magneto or Plug to show
good results in a race of 400 or 500 miles, but a gruelling test
of 25 days' continuous and perfect work is a performance
that proves to the utmost the efficiency and reliability of this
incomparable Magneto and Plug.



The following is the last paragraph
of a letter received by us from the
Maxwell-Briscoe Motor Co. regarding
this unparalleled feat:

"This test has conclusively
proved to us that your Mag-
neto is superior to anything
we have ever used.

Yours very truly,
MAXWELL-BRISCOE MOTOR CO.
C. W. Kelsey."

Ask for Magneto catalog

CHICAGO: 319 Michigan Ave.
SAN FRANCISCO:
520 Van Ness Ave.
DETROIT: 886 Woodward Ave.
BOSTON: Motor Mart.

C. F. SPLITDORF
Walton Ave. and 138th St. **NEW YORK**
Branch, 1679 Broadway

Autoline

The Perfect Lubricating Oil for All Types of Motor Cars
and Motor Boats

The Oil that Saves the Motor

A supply of Autoline for cylinders, Greoil for transmissions
and B Journal Compound for bearings on a long trip se-
cures a maximum of efficiency and a minimum of worry.

Autoline

IF PROPERLY USED

Will Not Carbonize--Will Not Soot

Quality and uniformity guaranteed—Accept no substitute.
There is nothing “Just as Good” for a motor car of any
description. If your garage does not keep Autoline,
write us and name make of your car.

Autoline

Manufactured by

Wm. C. Robinson & Son Co.

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BOSTON, MASS.

PHILADELPHIA, PA.

PITTSBURG, PA.

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REFINERY AT CORAOPOLIS, PA.

First on Land, First on Sea,
First in the Hearts of All Motormen

Mosler Spit Fire PLUGS

Lead the World

USED BY THE LEADING MANUFACTURERS
MAGNETO TYPE OF ALL SIZES

Made to fit any engine, any thread.

Have heavy Genuine Iridium Platinum Points.

Can be had for the asking.

Energetic Ignition

BASE Protects Porcelain and Sparking Points
BASE acts as Condenser of Electricity
BASE Forms Compression Chamber

Greater Power

BASE Makes Plugs Spit Fire
BASE Economizes Current
BASE Facilitates Sparking

INSIST UPON THE TWO PATENTED SIDE CLEANING HOLES

—One is not enough!

We Protect our Registered Trade Mark and Patents. Dealers and Jobbers **BEWARE!**

Do not be deceived by any other "Fire" name.

There is only ONE GENUINE "Spit Fire" plug—that made by

A. R. MOSLER & CO.

Originators of the "Spit Fire" principle

A TRIUMPH FOR THE SPIT FIRE

The **ONLY** Plugs in the WORLD that **ACTUALLY** Spit Fire

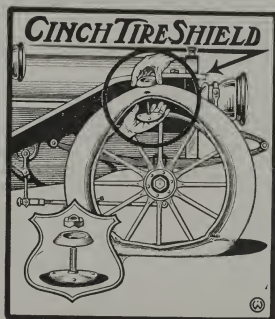
INSIST ON THE GENUINE, with Name on Porcelain and Base

A. R. MOSLER & CO 163 W 29th Street, New York

Don't Walk Home

Don't Run on Flat Tires

Put on a **CINCH**



Patent Allowed

ARE YOU PREPARED FOR A BLOW-OUT?

IF NOT

GET A CINCH TIRE SHIELD

Made to fit any sized tire

Made either of **LEATHER REINFORCED** with **STEEL** or of
STEEL COVERED WITH CANVAS

WHY CARRY EXTRA CASES?

Put a few Cinches in the tool box and repair any and all blow-outs

ASK FOR OUR CATALOGUE

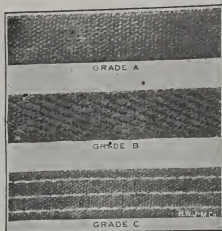
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**AUTO NOVELTIES AND SUPPLIES INCLUDING THE MARVELOUS
TARNISH PREVENTATIVE**

LAWRENCE & WELCH

STERLING, ILLINOIS

For sale by all Reliable Dealers



MADE IN THREE GRADES—
Any Length or Thickness

NON-BURN BRAKE LINING is made of pure long-fibred Asbestos with brass wires inserted. Heat from friction or oil and water do not affect it. Wears 40,000 to 50,000 miles.

Write nearest Branch for Sample and Booklet.

Non-Burn Brake Lining Locked Wheels Instantly

Out of the five most largely used brake band linings recently put to an exhaustive test by Mr. J. D. Maxwell, of the Maxwell Briscoe Motor Company.

Non-Burn was the only one which locked wheels of car **INSTANTLY**. The lining which came nearest to this locked wheels in 12 feet.

A difference of only one foot in the stopping distance often averts a serious accident!

Manville Fire Extinguisher

is absolutely warranted to put out any fire, whether arising from gasoline, benzine, calcium carbide, or any other cause, if thrown at the base of flames when fire first starts. It is also warranted not to injure paint or the upholstering, and not to freeze, cake in the tube, corrode or deteriorate with age.

Is always ready, always sure. Over a Half Million in Use.



Write nearest Branch for Booklet.



Mobilene Packing Won't Blow Out

MOBILENE PACKING does not burn, char, harden and blow out like rubber, cloth and other so-called gas-engine packings. It is made of an indestructible mineral—*asbestos*—which heat does not affect.

MOBILENE also has exceptional strength because fine brass wires are intertwined in each strand. It is pliable, compressible and easily cut. Is graphited one side and all ready to apply.

See that it is used on your auto and avoid vexatious delays. *Write nearest Branch for Sample and Booklet.*

H. W. JOHNS-MANVILLE CO.

Baltimore
Boston
Buffalo
Chicago

Cleveland
Dallas
Detroit
Kansas City

London
Los Angeles
Milwaukee
Minneapolis

New Orleans
New York
Philadelphia
Pittsburg

San Francisco
Seattle
St. Louis

Waterhouse

Carburator

No re-hashing of old methods,
fundamentally new

IT HAS ONLY ONE ADJUST-
MENT, THE NEEDLE VALVE,
ONCE SET REMAINS FIXED
FOR ALL SPEEDS

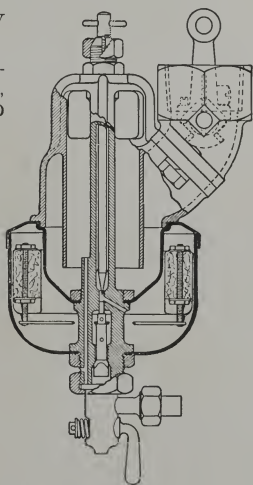
No Air Auxiliaries, no Springs
and no Spray Nozzle, can't
Flood.

Always primed for starting, won't
choke up. Responds to the
throttle instantly.

It's light in weight and very tiny.

Extremely powerful and gives
absolutely no trouble.

Its price is low.



ONE-HALF ACTUAL MEASUREMENTS OF
ONE INCH SIZE

Makers of the
celebrated

Bemus
Timers

Monitor Mfg. Co.

28 PELHAM COURT
Boston, Mass.

Manufacturers of the
Famous

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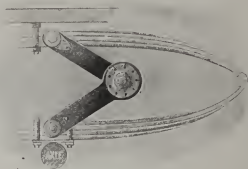
STOP THE JAR AND SHOCK

AND THE EVER WORKING INJURY TO YOUR
CAR BY THE USE OF THE

WESTEN SHOCK ABSORBER

THE ONLY SHOCK ABSORBER MADE THAT
WILL AUTOMATICALLY ADJUST THEMSELVES
TO ANY LOAD OR ROAD CONDITIONS.

This absorber automatically adjusts itself to the natural position regardless of the load carried by the vehicle, and at the same time brakes the upward as well as the downward motion of the springs.



In the ordinary shock absorber the absorbing qualities are lost by the addition of extra weight, or if the car meets with an unordinary obstruction. While the vibration of the engine is in no way checked and is the cause of much wear and tear. Westen Shock Absorbers catch all vibrations at all times no matter how small or how great. The automatic adjustment within itself make them superior. After once attached to your car assurance of safety and less cost for upkeep is guaranteed, and the unpleasant sound of the nerve racking rat-

tle of loose parts is eliminated.

You should realize at once the damage done by oscillation and equip your car with Westen Shock Absorbers. You will then be prepared to meet unexpected jolts and unseen depressions in the road and add, at the same time, comfort to the passengers of the car.

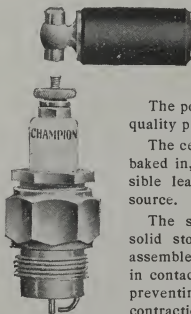
There are two friction planes which make the absorber capable of offering different degrees of resistance to the action of the vehicle springs under varying conditions.

WESTEN MANUFACTURING CO.

290 HALSEY STREET

Newark, New Jersey

The Right Spark Plug is an important adjunct to any Gas Engine



In the construction of the Champion Spark Plug the utmost care is given to every detail, thus assuring the best results.

The porcelain is of the very highest quality procurable.

The centre wire is firmly cemented and baked in, thus doing away with any possible leak of compression through that source.

The shell and bushing are cut from solid stock and so designed that when assembled porcelain does not actually come in contact with either at any point, thus preventing any chance of breakage from contraction or expansion of metal.

The workmanship on parts is so good and so accurate that no matter how many times the plug is taken apart and re-assembled the porcelain is always perfectly centered.

The electrodes or points are of nickel alloy; will not oxidize; are imperforable to spark of almost any intensity; are especially adapted to use with magneto, under which use the points will not burn off as they do on so many other plugs.

The combustion chamber at lower extremity of porcelain keeps the points free from soot, and practically eliminates any necessity for cleaning.

We particularly recommend the use of Champion Plugs under severest conditions, such as very high compression, excessive oil in cylinders, with magneto, etc.

Genuine Champion Spark Plugs are manufactured only by

The Champion Company

36 Whittier Street, Boston, Mass.

This is

a cash

6



60

proposition \$10⁰⁰ only

Compare these sizes with other 6 volt
60 ampere Batteries

$8 \times 6\frac{1}{4} \times 9\frac{1}{8}$

Guaranteed for one year or money refunded. Made in
sizes from 40 amperes up

MICHIGAN STORAGE BATTERY CO.

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YOUR CAR CANNOT RUN EASIEST

Nor Last Longest Without the Best Lubricant

The ONE Automobile Oil and the
ONE Automobile Grease you
can always depend upon—that gives
PERFECT SATISFACTION and
reduces cost of lubrication and repair bills
to a minimum is

PEARE'S

AUTO OIL AND GREASE

THEY SAVE WEAR
INCREASE POWER and
EVERY DROP LUBRICATES

WHY?

Because they are manufactured
by a firm with fifty-five years'
experience in the lubricating oil
business.

**Speare's Body Soap
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are also the most economical
you can buy

SPEARE'S GOODS are sold everywhere;
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DEALERS—Send for Speare's latest propo-
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THE ALDEN SPEARE'S SONS CO.

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T. S. D. Recording Company

(Metropolitan Building)

NO. 1 MADISON AVENUE, NEW YORK

Manufacturers of best modern devices and instruments for accurately measuring TIME, SPEED, DISTANCE, including stops or waiting time, and permanently registering same.

Machines suitable for all kinds of vehicles—horse drawn or motor. Especially adapted for Automobiles.

T. S. D. Combination Recorder, containing within a highly polished brass case, securely locked, with plate glass front, a Speedometer, Odometer, Clock (eight day, full-jewelled marine movement), and recording tape sufficient for one week, on which is correctly and permanently recorded time employed, speed attained, distance travelled and stops made day or night. Absolutely eliminates "Joy Rides."

T. S. D. Commercial Recorder (for commercial vehicles), comprising clock and record tape, locked within a solid metal case, and giving a clear, permanent record of exact movement of vehicles, thus preventing or minimizing speeding or loitering.

T. S. D.
Combination
Recorder



Half
Size

- T. S. D. Speedometer and Odometer combined
- T. S. D. Speedometer—singly
- T. S. D. Odometer
- T. S. D. Clocks
- T. S. D. Taximeter or Taxirecord for taxicabs and vehicles for hire

Exclusive
Territory
To
Responsible
Representatives

The construction of all T. S. D. Machines embodies features which mark a distinct advance in the State of the Art, and will meet all requirements of practicability, reliability, accuracy and durability, which instruments for the service intended should possess.

THE KLAXON

Trade Mark Reg. Patented Mar. 31-08, Jan. 19-09 (2), Feb. 2-09, May 25-09 (3)

“THE X-RAY OF SOUND”

THE “Klaxon” is a Noise machine.
It is run by an electric motor
and is built to run for years :: :: ::
It operates from a 6 or 8-volt stor-
age battery or 8 dry cells. It is not
a horn--reed or electric---though it
looks somewhat like one :: :: ::



Sectional view of KLAXON
showing relative position of
motor shaft, toothed wheel
and vibrating diaphragm.



Type L—Long Projector

Lovell-McConnell
Mfg. Co., *Manufacturers*

365-367 Market Street, NEWARK, N. J.

The
Klaxon Company

Sole Distributors for U. S. A.

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TOURISTS en route between CHICAGO and NEW YORK

Can secure UNIFORM LUBRICATION and FREEDOM from CARBON
TROUBLES, by calling for

ANTI-CARBON AUTO OIL

Made By

THE KEYSTONE REFINING CO.
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at any of the following FIRST-CLASS GARAGES along the route :

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By using the same grade of oil from start to finish you avoid the necessity of changing feed, and we are positive you can not start with a better oil, or one that will cause you LESS CARBON TROUBLE than our celebrated

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We will appreciate it if consumers will report to us any dealers who try to substitute an inferior oil for our ANTI-CARBON.

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ESTABLISHED 1884

Holds the record for lowest friction and greatest test for endurance in the great plant of the William Cramp & Sons Ship and Engine Building Company, Philadelphia.



Has an established reputation in the power plant field for superiority and greatness. Ask any engineer anywhere.

Is not soluble in water like cheap grease.

ORDER IT
NEXT TIME

ORDER IT
NEXT TIME

The World's Greatest Lubricant

- No. 1 Density (solid) for use in all grease cups—on axle bearings or wherever the use of a solid lubricant might be required.
No. 3 Density (semi-solid) for transmission, differential and timing gear cases.

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Dealers and Jobbers write for our Special Proposition.

Gus Balzer Manufacturer and
Manufacturers Representative

Representing

MONOGRAM CREST AND SIGN CO.

We Handle Following Goods:

Sawed and Etched Name Plates. Radiator Cap Eagles and
Ornaments. Limousine Bouquet Holders.

We Make a Specialty of all Ornaments that are used on an Automobile

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New York

The so called Tire Problem is
no Problem at all to a raft of

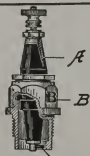
Goodrich Tire

—USERS—

They get inexpensive pleasurable
milage—and a good deal of it

The B. F. Goodrich Company
Akron, Ohio

Branches in all large Cities



The "Excentric" Mica Plug

Try it and convince yourself of its
superiority. Guaranteed for one year

Mica Core Manufacturing Co.

Makers of Spark Plugs, Mica
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WORCESTER IGNITION SPECIALTIES



WORCESTER COMBINATION ROTARY SWITCH
(Controller Type)

Operated by Hand or Foot

WORCESTER AUTOMOBILE AND MARINE COILS

SEND FOR CATALOG

W. H. LELAND & COMPANY

WORCESTER :: MASSACHUSETTS

PHOTO-AUTO MAPS

Photographs of every turn, together with a
Topographical Outline of Road
Showing Railroad Crossings, Bridges, School
Houses and All Landmarks, with
Accurate Distances Between

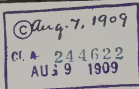
CHICAGO TO CLEVELAND
CLEVELAND TO CHICAGO

Rand McNally & Company

PUBLISHERS

166 and 168 Adams Street
CHICAGO

142 Fifth Avenue
NEW YORK



Instructions for Using Photo- Auto Maps

The best way to use the Photo-Auto Maps is to follow the route by the topographical map and refer to the photographs only to make sure that you are turning at the right place. Use your meter at all times to get the distances between turns. The distances given between turns will vary with different machines, as a slight difference in size of tires, different conditions of the roads and many other things tend to vary the register. Three meters were used and an average taken to get the distances given. The numbers in the squares and circles give the number of the photographs at the turns and the figures outside of them give the distance to the next photograph. The compass on each plate should be used to get correct directions. This map is not drawn to scale, but is made to show the turns to the best advantage. Where turns occur close together the map is enlarged and where there is a long straight run it is condensed, so do not judge distances by the appearances of the map. Go entirely by the meter readings. Distances between closest points only are given to insure the smallest variation. The distances given are the average obtained from three different makes of speedometers and a re-check by the Warner Auto-Meter.

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Copyright 1909, by Rand McNally, & Co., Chicago

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To the Motorist Who is Down on His "Tire Luck"

You don't hear the man who uses Morgan & Wright tires saying much about his "tire luck," good or bad.

After he has used a pair or two, he gets out of the habit of ascribing the completion of a trip or a tour without tire trouble to good fortune. He lays it to **"Good Tires"**—nothing else. He knows that—take tires made as Morgan & Wright tires are, out of the highest grade of materials with a painstaking care in regard to the minutest details of construction, and give them proper care—tire service ceases to be a matter of chance.

He gets a confidence in his tire equipment that adds much to the enjoyment of his car, and a freedom from repair bills that is a big help to his bank account.

There is no truer saying in motordom than that—

MORGAN & WRIGHT TIRES
ARE GOOD TIRES

Dealers everywhere sell them at the same price you are asked to pay for other brands.

Morgan & Wright, Detroit

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Macedon..... "	177-689	23
Mechanicsville..... "	17C-39C	402
Mentor..... Ohio	133-645	14

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Simplicity, Strength

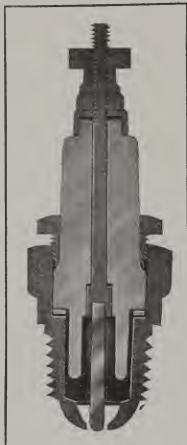
FOR MAGNETO OR BATTERY

Buy a

FRY

With Porcelain
Insulator **75c**

With Mica Insulator **\$1.00**



Compare it to-day with any
plug in the world at any price.

USED EVERYWHERE

SOLD EVERYWHERE

SATISFACTION GUARANTEED

Absolutely Indestructible

Closed-End
or
Open-End



Any Thread
Same Price

CLEANED IN ONE MINUTE

STANDARD SALES COMPANY

MAKERS

J. STEWART SMITH, *Manager*

1779 Broadway, at 57th Street

NEW YORK CITY

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NAME OF TOWN	Photo No.	Plate No.
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Monroeville. Ohio	115-621	11
Mycenae. N. Y.	207-717	26
Nelliston. "	221-730	29
New Carlisle. Ind.	40-542	5
New Hartford. N. Y.	214-724	28
New York City. "	286-796	37
Noblesville. Ind.	45A-52A	204
North Chili. N. Y.	173-683	21
North East. Pa.	147-659	17
Norwalk. Ohio	117-623	11
Oberlin. "	120-626	12
Osceola. Ind.	46-546	6
Oneida Castle. N. Y.	211-721	27
Ossining. "	275-784	36
Palmyra. "	179-692	23
Palatine Bridge. "	221-730	29
Painesville. Ohio	134-647	15
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Rochester. "	174-684	22
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Table of Distances Between Points

CHICAGO TO SOUTH BEND

FROM — TO	Chicago	Hammond	Highlands	Hobart	Wheeler	Valparaiso	Westville	La Porte	New Carlisle	South Bend
Chicago - - - - -	—	19.6	26.9	39.0	44.8	53.4	64.7	76.5	91.0	106.2
Hammond - - - - -	19.6	—	7.3	19.4	25.2	33.8	45.1	56.9	71.4	86.6
Highlands - - - - -	26.9	7.3	—	12.1	17.9	26.5	37.8	49.6	64.1	79.3
Hobart - - - - -	39.0	19.4	12.1	—	5.8	14.4	25.7	37.5	52.0	67.2
Wheeler - - - - -	44.8	25.2	17.9	5.8	—	8.6	19.9	31.7	46.2	61.4
Valparaiso - - - - -	53.4	33.8	26.5	14.4	8.6	—	11.3	23.1	37.6	52.8
Westville - - - - -	64.7	45.1	37.8	25.7	19.9	11.3	—	11.8	26.3	41.5
La Porte - - - - -	76.5	56.9	49.6	37.5	31.7	23.1	11.8	—	14.5	29.7
New Carlisle - - - - -	91.0	71.4	64.1	52.0	46.2	37.6	26.3	14.5	—	15.2
South Bend - - - - -	106.2	86.6	79.3	67.2	61.4	52.8	41.5	29.7	15.2	—

TABLE OF DISTANCES

	South Bend	Mishawaka	Osceola	Goshen	Benton	Ligonier	Wawaka	Kendallville	Waterloo	Butler	Edgerton	Bryan	Stryker	Archbold	Wauseon	Delta	Swanton	Toledo
South Bend																		
Mishawaka	4.5																	
Osceola	10.2	4.5																
Goshen	24.8	20.3	14.6															
Benton	32.1	27.6	21.9	7.3														
Ligonier	42.8	38.3	32.6	18.0	10.7													
Wawaka	49.1	44.6	38.9	24.3	17.0	6.3												
Kendallville	61.8	57.3	51.6	37.0	29.7	19.0	12.7											
Waterloo	76.8	72.3	66.6	52.0	44.7	34.0	27.7	15.0										
Butler	84.5	80.0	74.3	59.7	52.4	41.7	35.4	22.7	7.7									
Edgerton	91.7	87.2	81.5	66.9	59.6	48.9	42.6	29.9	14.9	7.2								
Bryan	103.4	98.9	93.2	78.6	71.3	60.6	54.3	41.6	26.6	11.7								
Stryker	112.1	107.6	101.9	87.3	80.0	69.3	63.0	50.3	35.3	22.6	8.7							
Archbold	119.3	114.8	109.1	94.5	87.2	76.5	70.2	57.5	42.5	34.8	20.4	8.7						
Wauseon	129.7	125.2	119.5	104.9	97.6	86.9	80.6	67.3	52.9	43.2	28.5	17.6	7.2					
Delta	140.6	136.1	130.4	115.8	108.5	97.8	91.5	78.8	63.8	56.1	44.9	37.2	28.5	21.3				
Swanton	146.0	141.5	135.8	121.2	113.9	103.2	96.9	84.2	69.2	61.5	54.3	42.6	33.9	26.7	10.9			
Toledo	173.4	168.9	163.2	148.6	141.3	130.6	124.3	111.6	96.8	88.9	81.7	70.0	61.3	54.1	43.7	32.8	27.4	

TABLE OF DISTANCES

	Toledo	Genoa	Woodville	Fremont	Clyde	Bellview	Monroeville	Norwalk	Townsend	Wakeman	Kipton	Oberlin	Elyria	Ridgeville	Dover	Cleveland
Toledo																
Genoa	14.1															
Woodville	19.4	5.3														
Fremont	33.3	19.2	13.9													
Clyde	42.3	28.2	22.9	9.0												
Bellview	49.9	35.8	30.5	16.6	7.6											
Monroeville	58.4	44.3	39.0	25.1	16.1	8.5										
Norwalk	63.5	49.4	44.1	30.2	21.2	13.6	5.1									
Townsend	70.2	56.1	50.8	36.9	27.9	20.3	11.8	6.7								
Wakeman	74.7	60.6	55.3	41.4	32.4	24.8	16.3	11.2								
Kipton	82.5	68.4	63.1	49.2	40.2	32.6	24.1	19.0	12.3							
Oberlin	88.4	74.3	69.0	55.1	46.1	38.5	30.0	24.9	18.2	7.8						
Elyria	97.8	83.7	78.4	64.5	55.5	47.9	39.4	34.3	27.6	23.1	5.9					
Ridgeville	102.6	88.5	83.2	69.3	60.3	52.7	44.2	39.1	32.4	27.9	20.1	9.4				
Dover	109.7	95.6	90.3	76.4	67.4	59.8	51.3	46.2	39.5	35.0	27.2	21.3	4.8			
Cleveland	123.7	109.6	104.3	90.4	81.4	73.8	65.3	60.2	53.5	49.0	41.2	35.0	25.9	21.1	14.0	

TABLE OF DISTANCES

Cleveland	18.8	23.5	29.7	47.5	58.0	71.8	80.4	85.9	90.2	102.1	197.2
Willoughby	18.8	4.7	6.2	10.9	24.0	28.7	34.5	39.2	42.1	44.1	178.4
Mentor	23.5	29.7	47.5	58.0	71.8	80.4	85.9	90.2	102.1	197.2	173.7
Painesville	29.7	47.5	58.0	71.8	80.4	85.9	90.2	102.1	197.2	173.7	167.5
Geneva	47.5	58.0	71.8	80.4	85.9	90.2	102.1	197.2	173.7	167.5	149.7
Ashtabula	58.0	71.8	80.4	85.9	90.2	102.1	197.2	173.7	167.5	149.7	139.2
Conneaut	71.8	80.4	85.9	90.2	102.1	197.2	173.7	167.5	149.7	139.2	125.4
E. Springfield	80.4	85.9	90.2	102.1	197.2	173.7	167.5	149.7	139.2	125.4	116.8
Girard	85.9	90.2	102.1	197.2	173.7	167.5	149.7	139.2	125.4	116.8	111.3
Fairview	90.2	102.1	197.2	173.7	167.5	149.7	139.2	125.4	116.8	111.3	107.0
Erie	102.1	197.2	173.7	167.5	149.7	139.2	125.4	116.8	111.3	107.0	95.1
Buffalo	197.2	173.7	167.5	149.7	139.2	125.4	116.8	111.3	107.0	95.1	95.1

TABLE OF DISTANCES

	Cleveland	Erie	Wesleyville	Harbour Creek	North East	Ripley	Westfield	Portland	Brocton	Fredonia	Sheridan	Silver Creek	Irving	Buffalo
Cleveland														
Erie	102.1													
Wesleyville	106.2	4.1												
Harbour Creek	110.0	7.9	3.8											
North East	117.2	15.1	11.0	7.2										
Ripley	126.1	24.0	19.9	16.1	8.9									
Westfield	133.1	31.0	26.9	23.1	15.9	7.0								
Portland	140.3	38.2	34.1	30.3	23.1	14.2	7.2							
Brocton	141.9	39.8	35.7	31.9	24.7	15.8	8.8	1.6						
Fredonia	148.8	46.7	42.6	38.8	31.6	22.7	15.7	8.5	6.9					
Sheridan	154.7	52.6	48.5	44.7	37.5	28.6	21.6	14.4	12.8	5.9				
Silver Creek	160.9	58.8	54.7	50.9	43.7	34.8	27.8	20.6	19.0	12.1	6.2			
Irving	164.3	62.2	58.1	54.3	47.1	38.2	31.2	24.0	22.4	15.5	9.6	3.4		
Buffalo	197.2	95.1	91.0	87.2	80.0	71.1	64.1	56.9	55.3	48.4	42.5	36.3	32.9	32.9

TABLE OF DISTANCES

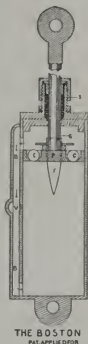
	Buffalo	Batavia	Bergen	Churchville	Rochester	Pittsford	Macedon	Palmyra	Phelps	Auburn	Elbridge	Camillius	Syracuse	Albany
Buffalo														
Batavia	39.6													
Bergen	39.6	16.0												
Churchville	55.6	19.4	3.4											
Rochester	59.0	33.8	17.8	14.4										
Pittsford	73.4	41.0	25.0	21.6	7.2									
Macedon	80.6	52.4	36.4	33.0	18.6	11.4								
Palmyra	92.0	57.6	41.6	38.2	11.4	5.2								
Phelps	97.2	72.1	56.1	52.7	38.3	31.1	19.7	14.5	14.5					
Auburn	111.7	99.3	83.3	79.9	65.5	58.3	46.9	41.7	27.2	27.2				
Elbridge	138.9	110.0	94.0	90.6	76.2	69.0	57.6	52.4	37.9	10.7	10.7			
Camillius	149.6	117.0	101.0	97.6	83.2	76.0	64.6	59.4	44.9	7.0	7.0			
Syracuse	156.6	125.9	109.9	106.5	92.1	84.9	73.5	68.3	53.8	26.6	15.9	8.9	8.9	
Albany	165.5	125.9	109.9	106.5	92.1	84.9	73.5	68.3	53.8	26.6	15.9	8.9	8.9	152.5
	318.0	278.4	262.4	259.0	244.6	237.4	226.0	220.8	206.3	179.1	168.4	161.4	152.5	152.5

"DON'T BE SHOCKED!"

"BOSTON" SHOCK ABSORBERS will save
Wear on your engine and transmission,
Breaking of your springs,
Dollars in your pocket,
Racking of your nerves and spinal column.

"BOSTON" SHOCK ABSORBERS will give you
More power from your engine,
More pleasure and comfort from autoing,
A more quiet running car.

"BOSTON" SHOCK ABSORBERS will increase
The life of your car 50%,
The mileage of travel per gallon of gasoline.



The "BOSTON"

Does not stiffen or in any way injure the action of the springs.

Does not drag on the spring under any condition.

Does not get out of order.

Does prevent you from being thrown out of the seat.

Does prevent continued bouncing after a jounce.

Does really absorb the shock.



30 DAYS TRIAL

FULLY GUARANTEED

PRICE, \$80.00 per set of four, with hangers
fitted and already to put on.

EXPRESS PREPAID

KNAPP-GREENWOOD COMPANY

1000 BOYLSTON STREET, BOSTON, MASS.

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THOMAS D. AUSTIN
249 W. 57th Street, New York City

MOTOR CAR SUPPLY CO.
Chicago, Ill.

JOHN S. MARTIN
Ross, Cal.

TABLE OF DISTANCES

	Buffalo	Syracuse	Fayetteville	Chittenango	Canastota	Oneida Castle	Kirkland	New Hartford	Utica	Herkimer	Little Falls	St. Johnsville	Fonda	Amsterdam	Schenectady	Albany
Buffalo																
Syracuse	165.5															
Fayetteville	172.8	7.3														
Chittenango	180.8	15.3	8.0													
Canastota	187.5	22.0	14.7													
Oneida Castle	193.2	27.7	22.4	12.4												
Kirkland	207.0	41.5	36.2	26.2	19.5											
New Hartford	211.8	46.3	39.0	31.0	24.3	18.6										
Utica	215.3	49.8	42.5	34.5	27.8	22.1	13.8									
Herkimer	231.4	65.9	58.6	50.6	43.9	38.2	24.4	19.6	16.1							
Little Falls	238.4	72.9	65.6	57.6	50.9	45.2	31.4	26.6	23.1	17.9						
St. Johnsville	256.3	90.8	83.5	75.5	68.8	63.1	49.3	44.5	41.0	38.3	31.1					
Fonda	276.7	111.2	103.9	95.9	89.2	83.5	69.7	64.9	61.4	56.0	51.7	45.3				
Amsterdam	287.4	121.9	114.6	106.6	99.9	94.2	80.4	75.6	72.1	66.6	61.7	56.7	50.7			
Schenectady	303.0	137.5	130.2	122.2	115.5	109.8	96.0	91.2	87.7	82.6	77.6	72.6	67.6	62.6		
Albany	318.0	152.5	145.2	137.2	130.5	124.8	111.0	106.2	102.7	98.6	93.6	88.6	83.6	78.6	73.6	68.6

WINESTOCK SPARK PLUGS

(QUICK DETACHABLE)

DON'T SKIP

Only quick detachable plug containing both terminals in the detachable member.

Absolutely will not leak compression

Positively will not work loose.



PRICE

\$1.75

"Absolutely
Guaranteed"

Gives the hottest spark of any plug made.

Non-breakable insulation.

Adjustable spark gap—once adjusted, always adjusted.

You can't imagine the convenience of a detachable plug until you have used one, it gives you a chance to examine your spark without using a wrench.

FOR SALE BY ALL FIRST-CLASS DEALERS

KNAPP-GREENWOOD COMPANY

1000 Boylston Street - - BOSTON, MASS.

TABLE OF DISTANCES

	Albany	Rensselaer	Schodack Center	Kinderhook	Stuyvesant Falls	Hudson	Blue Store	Upper Red Hook	Red Hook	Rhinebeck	Staatsburg	Hyde Park	Poughkeepsie	New York City
Albany														
Rensselaer	1.0													
Schodack Center	7.3	6.3												
Kinderhook	20.9	19.9	13.6											
Stuyvesant Falls	24.5	23.5	17.2	3.6										
Hudson	33.5	32.5	26.2	12.6	9.0									
Blue Store	43.0	42.0	35.7	22.1	18.5	9.5								
Upper Red Hook	49.8	48.8	42.5	28.9	25.3	16.3	6.8							
Red Hook	52.5	51.5	45.2	31.6	28.0	19.0	9.5	2.7						
Rhinebeck	58.2	57.2	50.9	37.3	33.7	24.7	15.2	8.4	5.7					
Staatsburg	64.2	63.2	56.9	43.3	39.7	30.7	21.2	14.4	11.7	6.0				
Hyde Park	68.3	67.3	61.0	47.4	43.8	34.8	25.3	18.5	15.8	10.1	4.1			
Poughkeepsie	74.4	73.4	67.1	53.5	49.9	40.9	31.4	24.6	21.9	16.2	10.2	6.1		
New York City	149.8	148.8	142.5	128.9	125.3	116.3	106.8	100.0	97.3	91.6	85.6	81.5	75.4	

DETROIT and SOUTH BEND OR ANYWHERE

An abundance of enjoyable features along the road, but an *over abundance* of menacing features on the road. Chances are a *thousand* to one in favor of the *menacing features* winning out—unless you squelch them.

You know that a succession of punctures and blow-outs will spoil the effect of *any trip* and ruffle the temper of a Saint—besides—tearing *big* holes in the pocket-book.

The *best* move you can make, *before* taking *any* trip—a block or a thousand miles—is to have your tires treated with

KEMIZITE

It Heals Punctures

The only absolute-harmless-permanent puncture healer

Guaranteed "Money Back" Basis

Clean — odorless
Not a cement
Not gummy
Not sticky
Not a filler

Only small quantity needed
Does not reduce resiliency
Does not interfere with vulcanization
Eliminates 75% of blow-outs
Increases mileage

Proportion — 5% Kemizite — 95% Air

Thousands of auto owners are using KEMIZITE with *absolute satisfaction*. More down right enjoyment than they ever experienced with tires before, and at greatly *decreased* expense.

This is the move for you to make. No matter what you *remember* of the *past*—*do this now*. Investigate KEMIZITE—satisfy yourself. Remember a "money back" guarantee goes with it.

AUTO TIRE-SECURITY COMPANY

1231 Michigan Ave. - - - - Chicago

TABLE OF DISTANCES

	New York City	Yonkers	Hastings	Dobbs Ferry	Irvington	Tarrytown	Ossining	Croton	Peekskill	Cold Spring	Fishkill Village	Wappingers Falls	Poughkeepsie	Albany
New York City														
Yonkers	14.2													
Hastings	18.7	4.5												
Dobbs Ferry	20.2	6.0	1.5											
Irvington	21.4	7.2	2.7	1.2										
Tarrytown	24.5	10.3	5.8	4.3	1.2									
Ossining	30.6	16.4	11.9	10.4	3.1	6.1								
Croton	34.3	20.1	15.6	14.1	9.2	9.8	3.7							
Peekskill	42.1	27.9	23.4	21.9	20.7	17.6	11.5	7.8						
Cold Spring	53.5	39.3	34.8	33.3	32.1	29.0	22.9	19.2	11.4					
Fishkill Village	62.7	48.5	44.0	42.5	41.3	38.2	32.1	28.4	20.6	9.2				
Wappingers Falls	67.8	53.6	49.1	47.6	46.4	43.3	37.2	33.5	25.7	14.3	5.1			
Poughkeepsie	75.4	61.2	56.7	55.2	54.0	50.9	44.8	41.1	33.3	21.9	12.7	7.6		
Albany	149.8	135.6	131.1	128.4	125.3	119.2	115.5	107.7	96.3	87.1	82.0	74.4		

Table of Mileage

		MILES
South Bend	to Lakeville . . .	10.5
"	" Lapaz . . .	16.3
"	" Plymouth . . .	24.5
"	" Argos . . .	32.6
"	" Rochester . . .	44.5
"	" Perrysburg . . .	58.1
"	" Mexico . . .	63.9
"	" Peru . . .	69.8
"	" Bunker Hill . . .	78.7
"	" Miami . . .	82.5
"	" Kokomo . . .	93.0
"	" Sharpsville . . .	102.8
"	" Tipton . . .	112.5
"	" Atlanta . . .	118.4
"	" Arcadia . . .	122.0
"	" Cicero . . .	125.2
"	" Noblesville . . .	131.5
"	" Indianapolis . . .	155.2
Indianapolis	to Noblesville . . .	23.7
"	" Cicero . . .	30.0
"	" Arcadia . . .	33.2
"	" Atlanta . . .	36.8
"	" Tipton . . .	42.7
"	" Sharpsville . . .	52.4
"	" Kokomo . . .	62.2
"	" Miami . . .	72.7
"	" Bunker Hill . . .	76.5
"	" Peru . . .	85.4
"	" Mexico . . .	91.3
"	" Perrysburg . . .	97.1
"	" Rochester . . .	110.7
"	" Argos . . .	122.6
"	" Plymouth . . .	130.7
"	" Lapaz . . .	138.9
"	" Lakeville . . .	144.7
"	" South Bend . . .	155.2

Table of Distances

	MILES
South Bend to Lakeville . . .	10.5
Lakeville to Lapaz	5.8
Lapaz to Plymouth	8.2
Plymouth to Argos	8.1
Argos to Rochester	11.9
Rochester to Perrysburg . . .	13.6
Perrysburg to Mexico	5.8
Mexico to Peru	5.9
Peru to Bunker Hill	8.9
Bunker Hill to Miami	3.8
Miami to Kokomo	10.5
Kokomo to Sharpsville	9.8
Sharpsville to Tipton	9.7
Tipton to Atlanta	5.9
Atlanta to Arcadia	3.6
Arcadia to Cicero	3.2
Cicero to Noblesville	6.3
Noblesville to Indianapolis . .	23.7

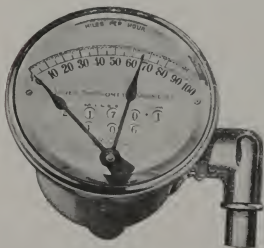
TURN TO RIGHT AND STOP



If your car is not equipped with a reliable speed-indicator. No use touring without the famous

JONES SPEEDOMETER

The BEST speed-indicator on the market. The PIONEER. The Winner of the R. A. C. Gold Medal for ACCURACY. The Jones is indispensable when touring because—it is absolutely reliable and dependable. It is used by the majority of motorists the world over. It is part equipment of practically every car on tour. See that you have a Jones on your dash. By means of the Odometer you can compute the distance cited on the maps—and you KNOW your speed at all times under all conditions.



*Write for folder containing
illustrations and prices of all
models.*

**Jones Speedometer Dept.
United Manufacturers, Inc.**

Broadway and 76th Street
New York

Table of Distances

TOLEDO—DETROIT

	MILES
Toledo to Erie	11.1
“ “ Monroe	20.9
“ “ Trenton	41.7
“ “ Wyandotte	46.2
“ “ Detroit	57.0
Detroit to Wyandotte	10.8
“ “ Trenton	15.3
“ “ Monroe	36.1
“ “ Erie	45.9
“ “ Toledo	57.0
Toledo to Erie	11.1
Erie to Monroe	9.8
Monroe to Trenton	20.8
Trenton to Wyandotte	4.5
Wyandotte to Detroit	10.8

Table of Mileage

ALBANY—SARATOGA SPRINGS

	MILES
Albany to Cohoes	12.2
“ “ Waterford	14.2
“ “ Mechanicsville	22.6
“ “ Maltaville	28.6
“ “ Dunning Street	30.8
“ “ Saratoga Springs	38.6
Saratoga Springs to Dunning Street	7.8
“ “ “ Maltaville	10.0
“ “ “ Mechanicsville	16.0
“ “ “ Waterford	24.4
“ “ “ Cohoes	26.4
“ “ “ Albany	38.6

Table of Distances

ALBANY—SARATOGA SPRINGS

	MILES
Albany to Cohoes	12.2
Cohoes to Waterford	2.0
Waterford to Mechanicsville	8.4
Mechanicsville to Maltaville	6.0
Maltaville to Dunning Street	2.2
Dunning Street to Saratoga Springs	7.8

VIVAX STORAGE BATTERIES



6 VOLT 80 AMPERES
SPECIALLY BUILT FOR
LIGHTING PURPOSES

PRICE-----\$24.00

WE GUARANTEE SATISFACTION

Why The "VIVAX" Excels

Mechanical Strength; Perfect Insulation; Compact and Clean;
No Corrosion of Terminals; Free from Mechanical Defects, or
Faulty Workmanship.

The "VIVAX" Battery is especially built to withstand
the constant jar of the Automobile and may be used on the
heaviest truck or the lightest pleasure Vehicle.

VIVAX IGNITION BATTERIES



6 Volt 60 Amperes.....	\$20.00
6 Volt Special.....	15.00
6 Volt Junior.....	11.50

Manufactured by

VIVAX STORAGE BATTERY CO.

2224 - 2234 Michigan Avenue

CHICAGO, ILLINIOS

Population of Towns

CHICAGO—SOUTH BEND

Chicago . . .	2,049,185
Hammond . . .	15,956
Highlands . . .	25
Hobart . . .	1,390
Wheeler . . .	100
Valparaiso . . .	6,280
Westville . . .	468
La Porte . . .	7,113
New Carlisle . . .	597
South Bend . . .	36,000

Population of Towns

SOUTH BEND—TOLEDO

South Bend	. . . . .	36,000
Mishawaka	. . . . .	5,600
Osceola	. . . . .	1,000
Dunlap	. . . . .	200
Goshen	. . . . .	7,800
Benton	. . . . .	200
Ligonier	. . . . .	2,200
Wawaka	. . . . .	300
Brimfield	. . . . .	200
Kendallville	. . . . .	3,400
Waterloo	. . . . .	1,200
Butler	. . . . .	2,100
Edgerton	. . . . .	1,000
Bryan	. . . . .	3,100
Stryker	. . . . .	1,200
Archbold	. . . . .	1,000
Wauseon	. . . . .	2,100
Delta	. . . . .	1,200
Swanton	. . . . .	900
Toledo	. . . . .	131,000

Population of Towns

TOLEDO—CLEVELAND

Toledo	131,000
Genoa	800
Woodville	800
Hessville	50
Fremont	8,500
Clyde	2,500
Bellview.	1,000
Monroeville	1,200
Norwalk	7,000
Townsend	75
Wakeman	300
Kipton	100
Oberlin	4,000
Elyria.	8,800
Ridgeville	200
Dover	50
Cleveland	381,800

Population of Towns

CLEVELAND—BUFFALO

Cleveland, O.	. . .	381,768
Willoughby, O.	. . .	1,753
Mentor, O.	. . .	624
Painesville, O.	. . .	5,024
Geneva, O.	. . .	2,342
Ashtabula, O.	. . .	12,949
Conneaut, O.	. . .	7,133
West Springfield, Pa.	. . .	203
East Springfield, Pa.	. . .	591
Girard, Pa.	. . .	691
Fairview, Pa.	. . .	327
Erie, Pa.	. . .	52,733
Wesleyville, Pa.	. . .	567
Harbour Creek, Pa.	. . .	161
North East, Pa.	. . .	2,068
Ripley, N.Y.	. . .	810
Westfield, N.Y.	. . .	2,430
Portland, N.Y.	. . .	552
Brocton, N.Y.	. . .	900
Fredonia, N.Y.	. . .	4,127
Sheridan, N.Y.	. . .	100
Silver Creek, N.Y.	. . .	1,944
Irving, N.Y.	. . .	50
Buffalo, N.Y.	. . .	352,387

Population of Towns

BUFFALO—SYRACUSE

Buffalo	352,387
Snyder	50
Williamsville	905
Clarence	670
Pembroke	310
East Pembroke	405
Batavia	9,180
Byron	342
Bergen	624
Churchville	505
North Chili	101
Rochester	162,608
Pittsford	1,000
Egypt	162
Macedon	592
Palmyra	1,937
Port Gibson	50
Phelps	1,306
West Junius	29
Magee Corners	61
Auburn	30,345
Sennett	403
Elbridge	549
Camillius	567
Syracuse	108,374

Population of Towns

SYRACUSE—ALBANY

Syracuse	117,493
De Witt	2,509
Fayetteville	1,304
Mycenae	50
Chittenango	787
Sullivan	159
Canastota	3,030
Oneida	3,420
Oneida Castle	291
Sherill	230
Vernon	380
Kirkland	132
New Hartford	1,007
Utica	62,935
Deerfield	691
West Shuyler	261
East Shuyler	108
Frankfort	2,664
Ilion	5,138
Herkimer	5,555
Little Falls	11,122
St. Johnsville	1,873
Nelliston	634
Palatine Bridge	360
Fonda	1,145
Amsterdam	23,923
Scotia	361
Schenectady	58,369
Albany	98,370

Population of Towns

ALBANY—NEW YORK CITY

Albany	98,370
Rensselaer	10,715
Schodack Center	102
Kinderhook	913
Stuyvesant Falls	792
Stockport	481
Stottville	1,069
Hudson	10,290
Blue Store	134
Upper Red Hook	75
Red Hook	857
Rhinebeck	1,449
Staatsburg	479
Hyde Park	2,873
Poughkeepsie	25,379
Wappingers Falls	3,504
Fishkill Village	589
Nelsonville	624
Cold Spring	2,067
Peekskill	10,562
Buchanan	75
Croton	100
Ossining	7,939
Tarrytown	4,770
Irvington	2,231
Dobbs Ferry	2,888
Hastings	2,002
Yonkers	61,716
New York City	4,014,304

Population of Towns

ALBANY—SARATOGA SPRINGS

Albany	.	.	.	.	98,360
Cohoes	.	.	.	.	24,183
Waterford	.	.	.	.	3,146
Mechanicsville	.	.	.	.	4,695
Maltaville	.	.	.	.	92
Dunning Street	.	.	.	.	50
Saratoga Springs	.	.	.	.	12,538

Population of Towns

SOUTH BEND—INDIANAPOLIS

South Bend	.	.	.	.	.	36,000
Lapaz	.	.	.	.	.	400
Plymouth	.	.	.	.	.	3,656
Argos	.	.	.	.	.	1,307
Rochester	.	.	.	.	.	3,421
Perrysburg	.	.	.	.	.	700
Mexico	.	.	.	.	.	500
Peru	.	.	.	.	.	11,648
Bunker Hill	.	.	.	.	.	568
Miami	.	.	.	.	.	390
Kokomo	.	.	.	.	.	12,019
Sharpsville	.	.	.	.	.	650
Tipton	.	.	.	.	.	3,764
Atlanta	.	.	.	.	.	1,500
Arcadia	.	.	.	.	.	1,413
Cicero	.	.	.	.	.	1,603
Noblesville	.	.	.	.	.	4,792
Indianapolis	.	.	.	.	.	219,154

CONDENSED
ROUTE OF THE
1908 AUTO MAP

CONDENSED
ROUTE OF THE
PHOTO AUTO MAP
©1997 by G. Campbell, Cambridge

PHOTO-AUTO MAPS

No. 2



Turn LEFT and go East from Michigan Avenue on 33rd Street.
Next turn South Park Avenue, four-tenths of a mile.

Memo

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No. 3



Turn RIGHT and go South to statue of Washington and
entrance to Washington Park, two miles.

No. 4



WASHINGTON PARK

STRAIGHT AHEAD to Park Refectory Building, five-tenths of a mile.

No. 5



REFECTORY BUILDING ON RIGHT.

Turn LEFT, and keep right at first three drives on left. At administration buildings, with tall chimneys on left, turn right and keep ahead to extreme southeast corner of park; an amusement park adjoins on right. Turn LEFT, leave park, crossing trolley on Cottage Grove Avenue, and continue due East upon Midway Drive, pass under Illinois Central Railroad viaduct, straight ahead to Jackson Park. At red-tiled boat buildings ahead, upon entering park, turn right.

Jackson Park



Turn LEFT, small police box on right. At next drive on left, turn right. At red-tiled rest building on right, turn right. At drive beyond building, turn left.

Memo.....

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Jackson Park



Turn RIGHT to Jeffrey Avenue. Lagoon on left. Three large chimneys can be seen some distance ahead on left after leaving park; real estate sign on right. Keep straight South upon Jeffrey Avenue. Next photo two miles.

No. 6



Turn LEFT on 83rd Street. Do not cross trolley on South Chicago Avenue on right. Follow 83rd Street to Baltimore Avenue at end of street. Next photo one mile.

Memo.....
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No. 7



Turn RIGHT, Baltimore Avenue. Next photo one block.

No. 8



Turn RIGHT, Exchange Avenue. Next photo at 92d Street, South Chicago, one mile.

Memo.....
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No. 9



Turn LEFT, 92d Street, South Chicago. Follow trolley to bridge. Next photo six-tenths of a mile.

No. 10



Turn RIGHT, cross bridge, follow trolley to sharp corner Avenue L. Leave trolley, keep ahead on macadam, looking out for high cross walks. Cross railroad at East Side Station on left. Turn left one short block, then right, turning left with trolley upon Indianapolis Avenue. Next photo one and two-tenths miles.

Memo

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No. 11



Turn LEFT and go South-East. Ewing Avenue and Indianapolis Avenue. Next turn two and one-tenths miles.

No. 12



Turn RIGHT and go South. Next turn at car barns, three and nine-tenths miles.

Memo

No. 13



Turn LEFT, East. Car barns on right, go one block East and turn to right, South, follow street car tracks to Sibley Street, Hammond, one and one-tenth miles. The Majestic Hotel Cafe is on Homan Avenue, one hundred feet north of Sibley Street, on left hand side of street. This cafe is open day and night and offers to automobile parties the parlor and toilet facilities of the Majestic Hotel which is first-class in every particular.

No. 14



HAMMOND

Turn LEFT, East. Turn left from Homan Avenue to Sibley Street. Half a block before turn, on the left side of the street is the Majestic Hotel and Cafe, the best in Hammond. Next turn one mile.

Memo

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No. 15



Turn RIGHT, South, Lafayette School on left. Next turn one and three-tenths miles.

No. 16



Turn LEFT, East. All four corners vacant. Next turn five-tenths of a mile at ice house.

Memo

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No. 17



Turn RIGHT, South. Saloon on left at turn. Next turn two and three-tenths miles.

No. 18



Turn LEFT, East. Next turn at Highlands, two and three-tenths miles. Road to right and south leads to Crown Point and Cedar Lake.

Memo

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No. 19



HIGHLANDS

Turn RIGHT, South, then East. Go one hundred feet south, do not cross tracks, turn east passing factory and grocery. Next turn seven and nine-tenths miles.

No. 20



Turn LEFT, East. Follow wires. Next photo Hobart, three and two-tenths miles.

Memo

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No. 21



HOBART

Turn LEFT, South. Next turn two-tenths of a mile.

No. 22



Turn LEFT, North-East. After passing R. R. depot, turn to right to street's end, then to left to street's end, then to right. Next photo three and six-tenths miles.

Memo

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No. 23



Turn RIGHT, South. Large barn on left. Follow wires. Next turn one mile.

No. 24



Make "S" turn and continue going south. Follow wires. Next photo Wheeler, six-tenths of a mile.

Memo

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No. 25



WHEELER

Turn LEFT, South-East. Next turn five-tenths of a mile.
Reduce speed and avoid trouble with authorities.

No. 26



Turn RIGHT, leaving Wheeler on "S" turn, continuing East.
Next photo four and seven-tenths miles at end of road.

Memo

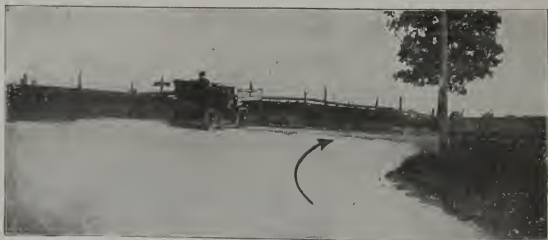
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No. 27



Turn RIGHT, South. Red barns and wind mill on right.
Next turn two and three-tenths miles at Valparaiso.

No. 28



VALPARAISO

Turn RIGHT, East, Main Street, keep straight ahead through town. Next photo top of hill, one and two-tenths miles. HOTEL LAFAYETTE six tenths of a mile, on right side of street, one block this side of Court House. This hotel is the best between Chicago and South Bend. Special meal arrangements can be made by long distance telephone 991. One block before hotel is reached is Zimmerman's garage—expert machinists always ready for service. After hours ring bell on side office door.

No. 29



Turn RIGHT, South, go one hundred and fifty feet to next street, then turn left and east. Next turn two and six-tenths miles.

No. 30



Turn LEFT, North-East, cross roads. Next turn one and three-tenths miles, after crossing small bridge.

Memo

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No. 31



Turn RIGHT, East, after crossing small bridge. Next photo at foot of sand hill, seven-tenths of a mile.

73
PHOTO-AUTO MAPS—CHICAGO TO SOUTH BEND, IND.

No. 32



STRAIGHT AHEAD, East. Next photo two-tenths of a mile at top of hill.

Memo

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No. 33



Take LEFT road. Next photo two miles.

No. 34



Take RIGHT hand road, North-East. Next photo leaving Westville three miles.

Memo

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No. 35



WESTVILLE

Turn RIGHT, South. Go one hundred and fifty feet and turn left and east. Next photo eight miles. The north and south road at photo 35 leads direct to Michigan City.

No. 36



STRAIGHT AHEAD, left road. Follow poles with most wires. Next photo one and three-tenths miles.

Memo

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No. 37



Turn LEFT, North. Follow the wires. Next photo nine-tenths of a mile.

No. 38



Turn RIGHT, East. Small lake on left, half a block distant, large hole on left after turning. Go two blocks then turn left and straight ahead to Main Street. Go straight through town, passing Court House. Next photo three and two-tenths miles. For Automobile Maintenance Garage turn to right one block beyond Court House and go one half block. This garage is well equipped and is open day and night.

Memo

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No. 39



Take LEFT hand road. Follow poles with most wires. Next photo four and five-tenths miles.

No. 40



STRAIGHT AHEAD, North-East. Next photo South Bend twenty and five-tenths miles. Before coming to South Bend New Carlisle is passed, five and two-tenths miles. Follow the wires.

Memo

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No. 41



SOUTH BEND

Turn RIGHT, South. Turn from La Salle Street into Main Street, go two blocks to Hotel Oliver.

No. 42



HOTEL OLIVER, SOUTH BEND, IND.

This hotel is one of the best encountered between Chicago and New York. Every facility possible is provided for the comfort of its guests. Auto parties given special attention. Next photo (No. 43) at this corner.

Memo

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THE TWENTIETH CENTURY GARAGE

SOUTH BEND, IND.

Located one block west of Hotel Oliver, and half a block south on right-hand side of Lafayette Street. This garage is equipped with a first-class machine shop and special attention is given to tourists.

Memo

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No. 43



Turn LEFT from Main Street into Washington Street at Hotel Oliver. Next photo two blocks.

No. 44



Turn RIGHT and South-East from Washington Street into Vistula Avenue. Mishawaka four and five-tenths miles. Next photo seven and two-tenths miles.

Memo

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No. 45



Take RIGHT road at fork. Follow wires. Next photo in Osceola, two and nine-tenths miles.

No. 46



OSCEOLA

Turn RIGHT at end of road and cross tracks; then turn left and continue East. Dunlap eight and six-tenths miles. Next photo in Goshen, thirteen and seven-tenths miles.

Memo

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No. 47



GOSHEN

Turn LEFT and cross bridge. Next photo at Main Street, four-tenths of a mile.

No. 48



GOSHEN

Turn RIGHT into Main Street. Follow the car tracks. Goshen Automobile Company garage one-half block—the best in Goshen for supplies and repairs. The Hascal Hotel one block—this is the best hotel in Goshen. Next photo five-tenths of a mile.

Memo

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No. 49



Turn LEFT and East from Main Street into Madison Street.
Next photo at end of road, six-tenths of a mile.

No. 50



Turn RIGHT and South at end of road. Next photo five miles.

Memo

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No. 51



Turn LEFT and South-East. Follow wires. Benton one and six-tenths miles. Next photo five and eight-tenths miles.

No. 52



Turn RIGHT and South. Follow wires. Next photo six-tenths of a mile.

Memo

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No. 53



Turn LEFT and East. School on left of turn. Follow most wires. Next photo in Ligonier, five and nine-tenths miles.

No. 54



LIGONIER

Turn RIGHT and South into Main Street. Next photo at fountain, three-tenths of a mile.

Memo

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No. 55



Take LEFT street at fountain. Next photo one-tenth of a mile.

No. 56



Turn LEFT from Main Street. Next photo at end of road,
one and two-tenths miles.

Memo

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No. 57



Turn RIGHT and South at end of road. Follow wires. Next
photo two-tenths of a mile.

No. 58



Turn LEFT and East. Follow wires. Next photo at end of road, three and two-tenths miles.

Memo

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No. 59



Turn RIGHT and South at end of road. Next photo in Wawaka, one and eight-tenths miles.

No. 60



WAWAKA

Turn RIGHT and South. Red brick church on left. Follow wires. Next photo seven-tenths of a mile.

Memo ..
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No. 61



Turn LEFT and East. Follow wires. Next photo at end of road, four and one-tenth miles.

PHOTO-AUTO MAPS- SOUTH BEND TO TOLEDO.

No. 62



Turn LEFT at end of road and cross bridge; then turn right and continue East. Brimfield three-tenths of a mile. Next photo six and one-tenth miles.

Memo

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No. 63



Continue straight EAST on right-hand road. Leave wires. Next photo one and two-tenths miles.

No. 64



Turn RIGHT into Kendallville. Next photo six-tenths of a mile.

Memo

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No. 65



KENDALLVILLE

Turn LEFT from Main Street into Mitchell Street. Next photo at end of street, six-tenths of a mile.

No. 66



Turn LEFT and North at end of street. Next photo two-tenths of a mile.

Memo

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No. 67



Turn RIGHT and East. Next photo three and three-tenths miles.

No. 68



Turn RIGHT and South. Follow wires. Sedan two miles.
Next photo nine and four-tenths miles.

Memo

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No. 69



Turn RIGHT and South entering Waterloo. Brick telephone
station on left. Next photo, Waterloo, one mile.

No. 70



WATERLOO

Turn LEFT and East. Next photo at end of road, three and one-tenth miles.

Memo

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No. 71



Turn LEFT and go fifty feet, then turn right and continue East. Follow wires. Next photo at end of road, one and seven-tenths miles,

No. 72



Turn LEFT at end of road and cross tracks. Follow wires.
Butler three and four-tenths miles. Next photo at end of
road, six and five-tenths miles.

Memo

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No. 73



Turn LEFT and North at end of road. Follow wires. Next
photo five-tenths of a mile.

No. 74



Turn RIGHT and East just after crossing tracks. Next photo at end of road in Edgerton, three and six-tenths miles.

Memo

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No. 75



EDGERTON

Turn RIGHT and cross tracks; then turn left and continue East. Next photo at end of street, three-tenths of a mile.

No. 76



Turn LEFT at end of road. Go one hundred and fifty feet, turn right and continue East. Next photo at end of road, two and eight-tenths miles.

Memo

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No. 77



Turn LEFT at end of road. Go one hundred and fifty feet, turn right and continue East. Next photo five and one-tenth miles.

No. 78



Turn LEFT and North. School house on right after turning.
Next photo two and one-tenth miles.

Memo

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No. 79



Turn RIGHT and North-East. School on left. Follow wires.
Next photo in Bryan, one and six-tenths miles.

No. 80



BRYAN

Turn RIGHT and East. Church on left before turning. Next photo two blocks.

Memo

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No. 81



Turn LEFT into Main Street. Court House on left. Hotel Christman, the best hotel in Bryan, two blocks on the left-hand side of the street. Next photo three blocks.

No. 82



Turn RIGHT and East one block north of Hotel Christman.
Next photo at end of road, eight-tenths of a mile.

Memo

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No. 83



Turn LEFT and North at end of road. Next photo two-tenths of a mile.

No. 84



Turn RIGHT and North-East. Next photo two and two-tenths miles.

Memo

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No. 85



Turn RIGHT and East. Follow wires. Stryker four and nine-tenths miles. Next photo at end of road, eight and seven-tenths miles.

No. 86



Turn LEFT at end of road. Go fifty feet, then turn right and continue East. Next photo at end of road, nine-tenths of a mile.

Memo

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No. 87



Turn LEFT and North at end of road. Next photo one and five-tenths miles.

No. 88



Turn RIGHT and East just after crossing tracks. Next photo at end of road in Archbold, one mile.

Memo

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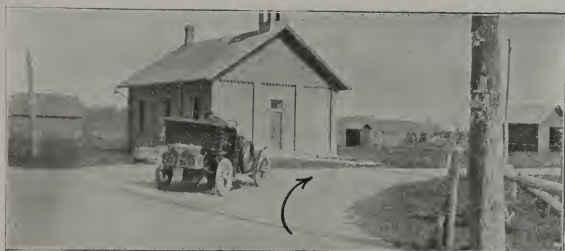
No. 89



ARCHBOLD

Turn LEFT and North at end of road in Archbold. Next photo one and four-tenths miles.

No. 90



Turn RIGHT and East. School on left of turn. Next photo in Wauseon, nine miles.

Memo

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No. 91



WAUSEON

Turn LEFT and North into Main Street. Park on right before turning. Next photo at end of road, one mile.

No. 92



Turn RIGHT and East at end of road. Next photo at end of road three and six-tenths miles.

Memo

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No. 93



Turn RIGHT at end of road. Cross tracks; then turn left and continue East. Next photo one mile.

No. 94



Turn LEFT and North. Schoolhouse on left, church on right.
Next photo one mile.

Memo

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No. 95



Turn RIGHT and East into first road after crossing railroad
tracks. Delta two and one-tenth miles. Next photo
entering Swanton, nine and one-tenth miles.

No. 96



SWANTON

Turn LEFT and North entering Swanton. Next photo at end of road, two and nine-tenths miles.

Memo

No. 97



Turn LEFT and West at end of road. Follow wires. Next photo five-tenths of a mile.

167
PHOTO-AUTO MAPS—SOUTH BEND TO TOLEDO.

No. 98



Turn RIGHT and North. Follow the wires. Next photo two and eight-tenths miles.

Memo

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No. 99



Turn RIGHT and East. Next photo three-tenths of a mile.

No. 100



Turn LEFT and North. Next photo one mile.

Memo

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No. 101



Turn RIGHT and East. Large red brick church on right, cemetery on left. Next photo sixteen and five-tenths miles.

No. 102



Turn RIGHT and South-East. Follow wires. Next photo, Toledo, three and eight-tenths miles. Atwood's garage, one of the best in the west, is on the right-hand side of the street after entering the city.

Memo

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No. 103



TOLEDO

Turn RIGHT from Monroe Street into St. Clair Street. Next photo two and one-half blocks.

No. 104



THE TAVERN, TOLEDO, OHIO

STARTING POINT for run from Toledo to Cleveland.

This is the best Hotel in Toledo for the accommodation of tourists. It is run on the European plan, with a fine Cafe and Grill Room in connection. Leave the Tavern on the RIGHT. Next photo (No. 105) two and one-half blocks.

Memo

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ATWOOD GARAGE

2815 MONROE ST., TOLEDO, OHIO

This is the best garage in Toledo. Sundries, repairing and charging. Leave the Tavern on the LEFT and go two and one-half blocks to Monroe Street. Turn right into Monroe Street and go straight ahead to the garage. Agents for the Franklin, Elmore and Pope-Hartford.

Memo.....

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No. 105



Turn RIGHT from Summit Street into Cherry Street and cross bridge. Next photo six-tenths of a mile.

Memo

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No. 106



EAST TOLEDO

Turn LEFT from Main Street into Front Street. Next photo two blocks.

No. 107



Turn RIGHT from Front Street into Oswald Street. Next photo one and two-tenths miles.

Memo _____

No. 108



Turn LEFT from E. Broadway into Woodville Street. Next photo eleven and one-tenth miles.

No. 109



Turn RIGHT with trolley line. Genoa eight-tenths of a mile.
Next photo three and two-tenths miles.

Memo

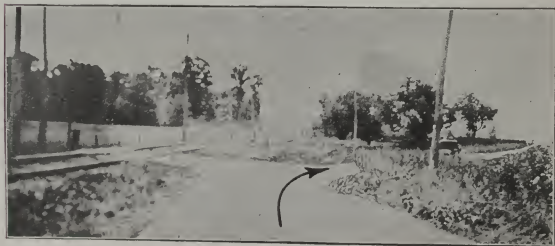
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No. 110



Turn slightly to right and leave trolley line. Next photo
in Woodville, two and five-tenths miles.

No. 111



WOODVILLE

Turn LEFT and East into Main Street at end of road. Next photo leaving Woodville, three-tenths of a mile.

Memo

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No. 112



Keep to RIGHT and cross bridge leaving Woodville. Hessville seven and three-tenths miles. Fremont fourteen and one-tenth miles. Clyde twenty-three and one-tenth miles. Next photo in Bellview, thirty and seven-tenths miles.

No. 113



BELLVIEW

Turn RIGHT and South-East from Main Street. Next photo
at end of road seven and seven-tenths miles.

Memo

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No. 114



Turn RIGHT and South at end of road. Next photo one-
tenth of a mile.

No. 115



Turn LEFT and South-East. Follow wires. Monroeville seven-tenths of a mile. Next photo one and one-tenth miles.

Memo

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No. 116



Turn LEFT and follow trolley line. Norwalk four and seven-tenths miles. Next photo leaving Norwalk, five and seven-tenths miles.

No. 117



NORWALK

Take RIGHT road at fork and leave trolley. Townsend five and seven-tenths miles. Wakeman ten and two-tenths miles. Next photo fifteen and eight-tenths miles.

Memo

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No. 118



Turn LEFT and North. White church on right before turning. Kipton two and two-tenths miles. Next photo three and six-tenths miles.

No. 119



Turn RIGHT and East. Next photo in Oberlin, four and five-tenths miles.

Memo

No. 120



OBERLIN

Turn RIGHT and South from Lorain Street into Main Street.
College buildings on left and park on right before turning.
Next photo one block.

No. 121



Turn LEFT and East from Main Street into College Street.
Next photo at end of road, two and five-tenths miles.

Memo

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No. 122



Turn LEFT and North-East at end of road. Follow trolley
line. Next photo three and seven-tenths miles.

No. 123



Turn RIGHT and follow wires. Next photo at end of road, six-tenths of a mile.

Memo

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No. 124



Turn LEFT and North at end of road. Follow trolley line. Next photo at end of street in Elyria, two and four-tenths miles.

No. 125



ELYRIA

Turn RIGHT and East into Broad Street at end of Middle Avenue. Next photo four-tenths of a mile.

Memo

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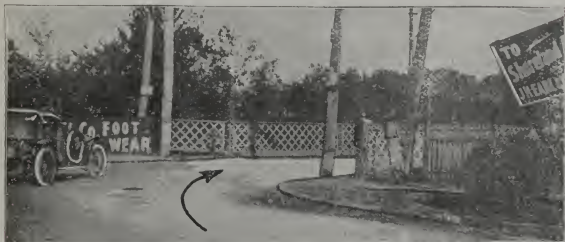
No. 126



Turn LEFT and North-East. Follow car tracks. Ridgeville four and four-tenths miles. Dover eleven and five-tenths miles. Next photo in West Cleveland, seventeen and four-tenths miles.

PHOTO-AUTO MAPS—TOLEDO TO CLEVELAND.

No. 127



Turn RIGHT and cross bridge. Next photo at end of street, four-tenths of a mile.

Memo

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No. 128



Turn LEFT at end of street into Detroit Street. Next photo six and seven-tenths miles.

No. 129



Make "S" turn to LEFT from Detroit Street into Superior Street. Next photo at Square, one mile.

Memo

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No. 130



Turn RIGHT from Superior Street into Bright Street at Public Square. Follow street around two sides of square into Euclid Avenue. Next photo Hotel Euclid, six-tenths of a mile.

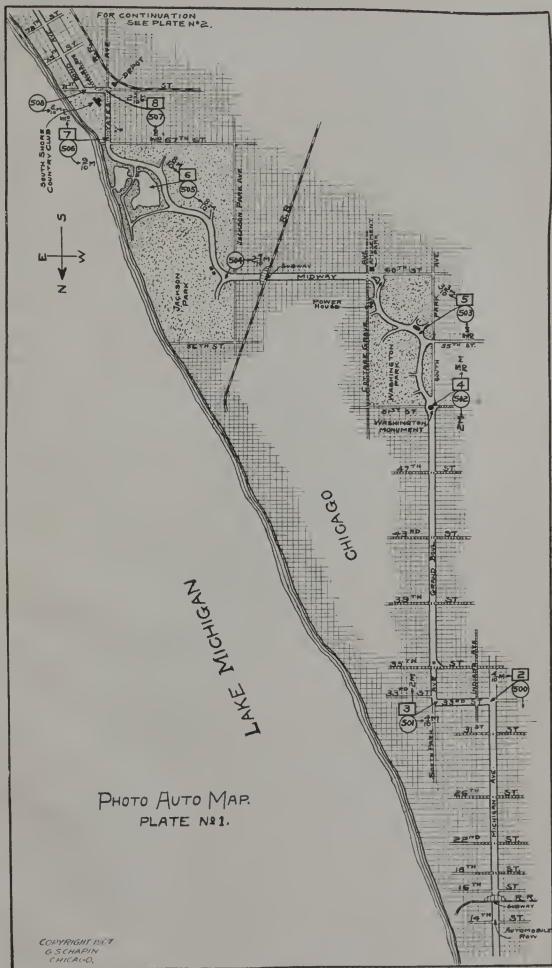
No. 131



COLONIAL HOTEL, CLEVELAND, OHIO

From Superior Avenue and Public Square, go to Southeast end of Square where Euclid Avenue begins, then up Euclid Avenue to Sheriff Street, one-eighth of a mile, turn to right up Sheriff Street to Prospect Avenue, then left to Plate, Colonial Hotel. Leave Hotel on LEFT going east to Euclid Avenue and continue out Euclid Avenue to University Circle. (Plate).

Memo



FOR CONTINUATION
SEE PLATE NO 3

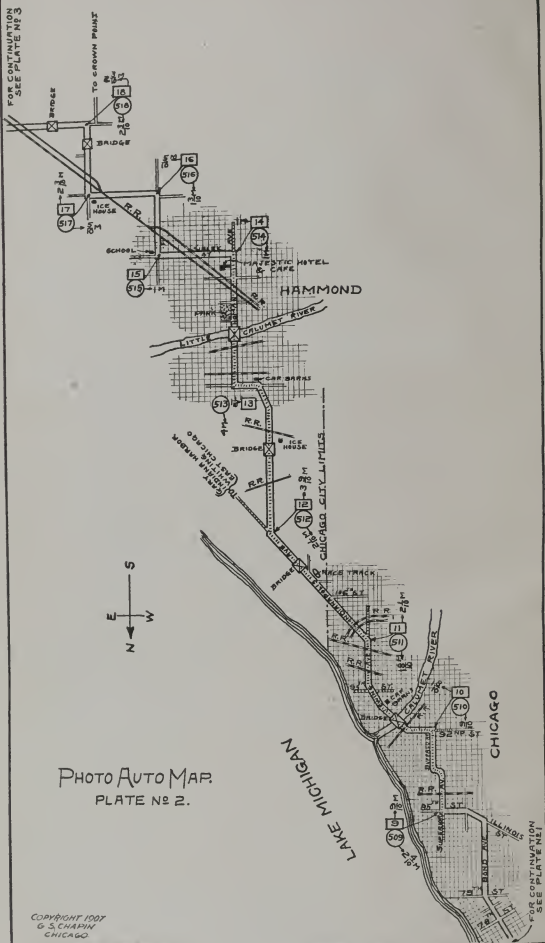
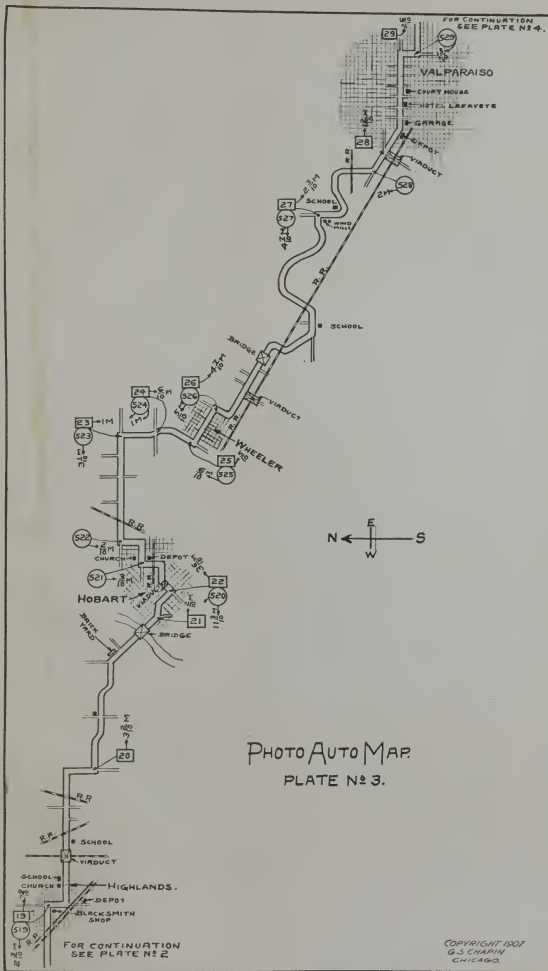
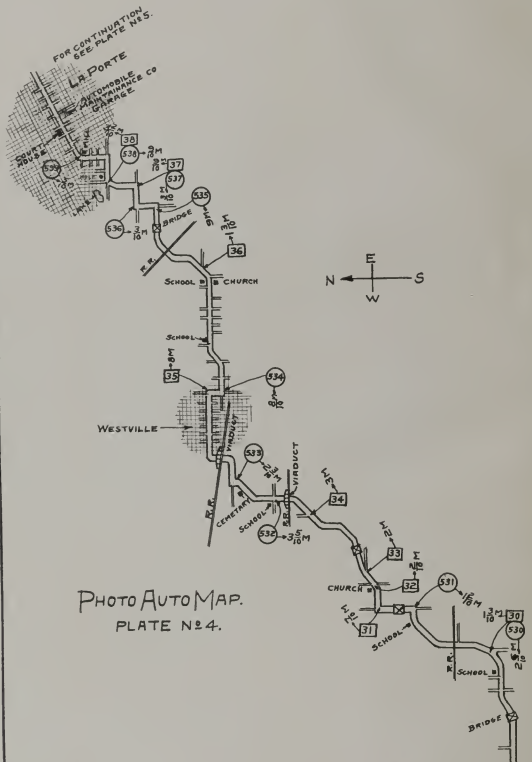


PHOTO AUTO MAP.
PLATE No 2.

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FOR CONTINUATION
SEE PLATE 21





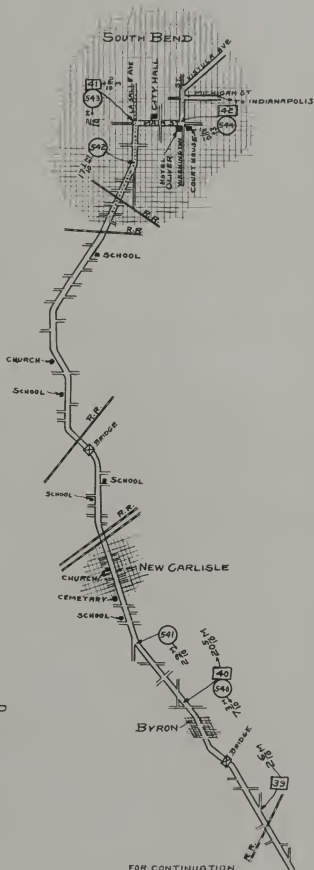
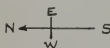
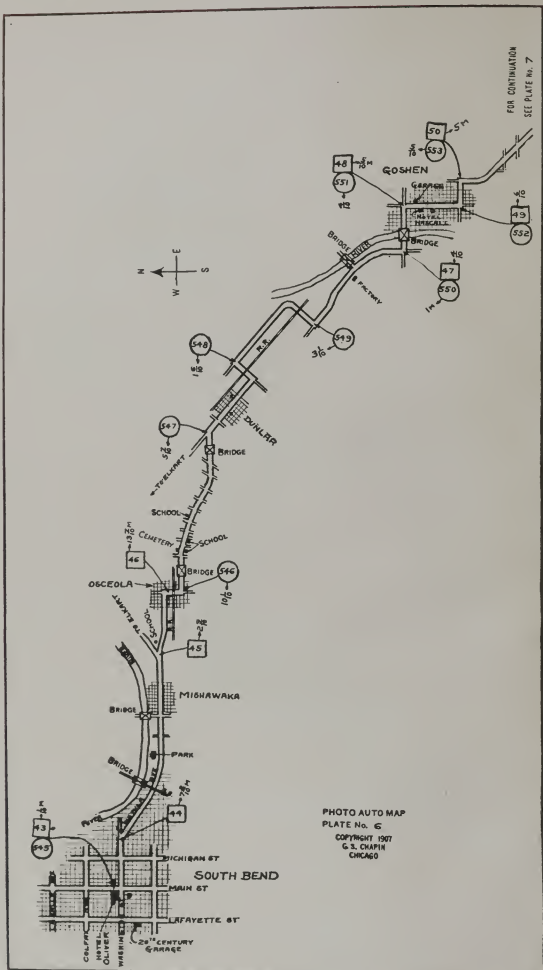


PHOTO AUTO MAP
PLATE NO 5.

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CHICAGO

FOR CONTINUATION
SEE PLATE NO 4



FOR CONTINUATION
SEE PLATE No. 6

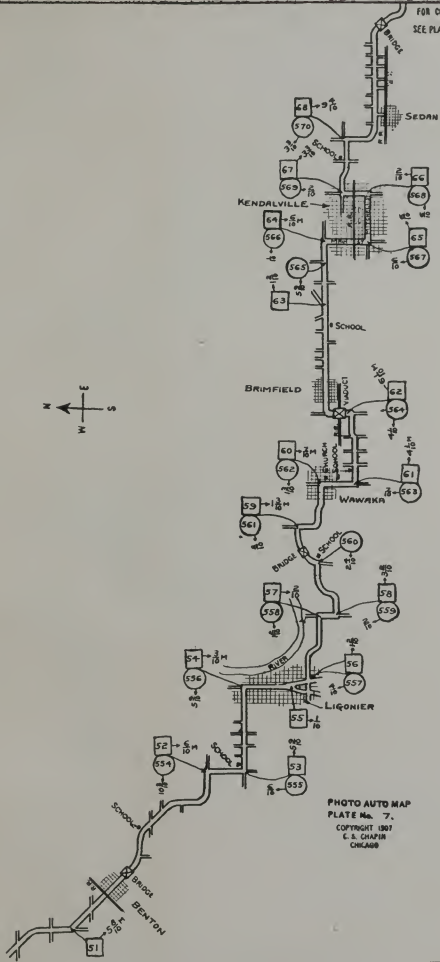


PHOTO AUTO MAP
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CHICAGO

FOR CONTINUATION
SEE PLATE No. 8

FOR CONTINUATION
SEE PLATE No. 9

SCHOOL

BRIDGE

BRYAN

EDGERTON

INDIANA OHIO STATE LINE

OHIO

INDIANA

BUTLER

CEMETERY

BRIDGE

CHURCH

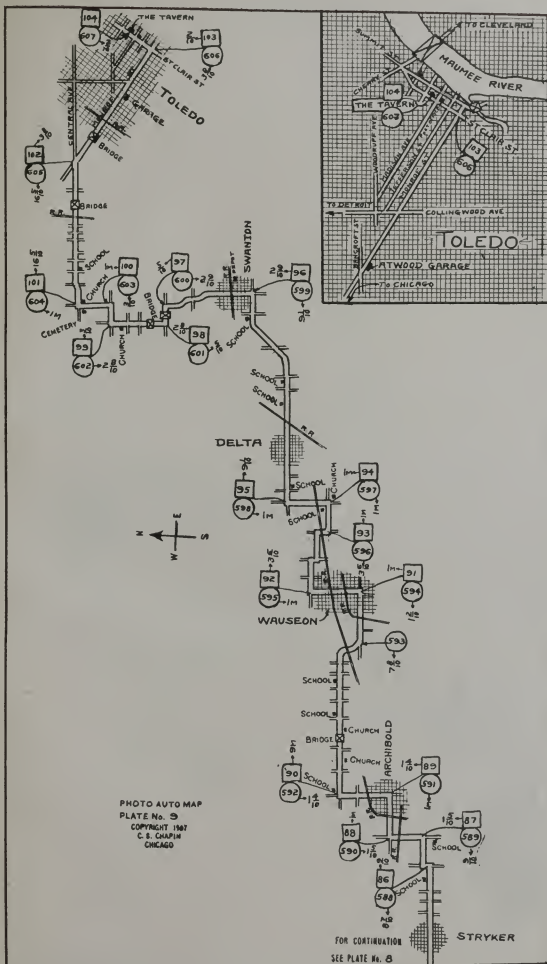
SCHOOL

WATERLOO

FOR CONTINUATION
SEE PLATE No. 7

PHOTO AUTO MAP
PLATE No. 8.
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S. E. CHAPIN
CHICAGO

FOR CONTINUATION
SEE PLATE No. 7



FOR CONTINUATION
SEE PLATE No. 11.

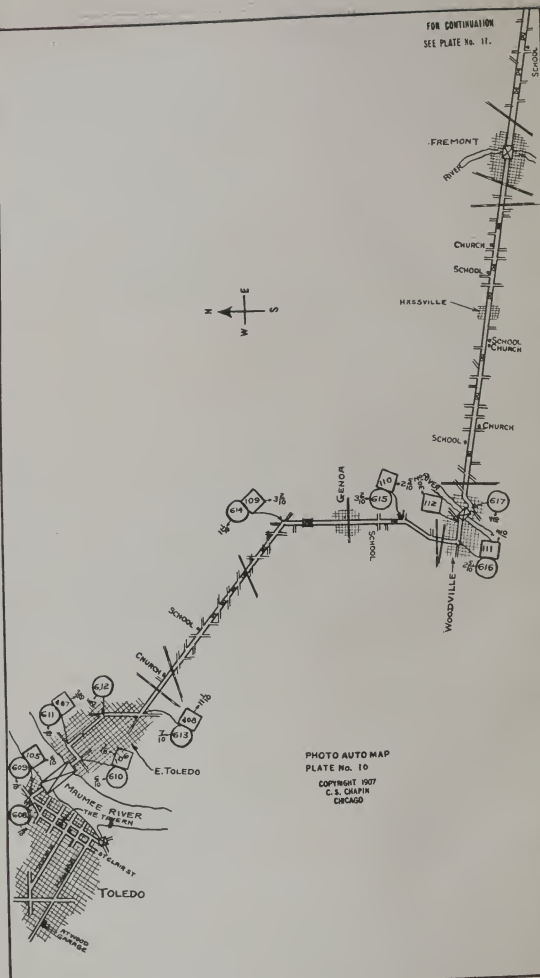
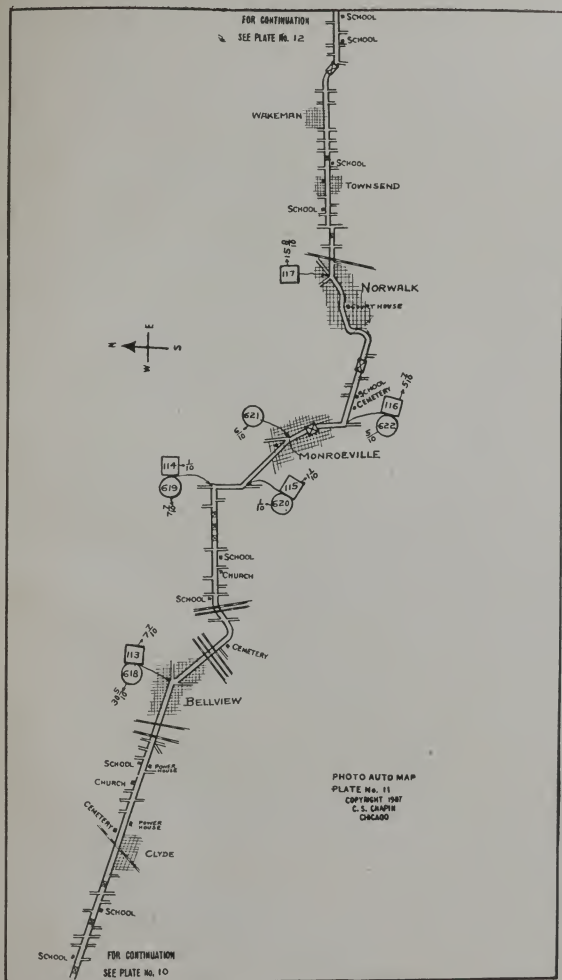


PHOTO AUTO MAP
PLATE No. 10
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CHICAGO



FOR CONTINUATION
SEE PLATE No. 13

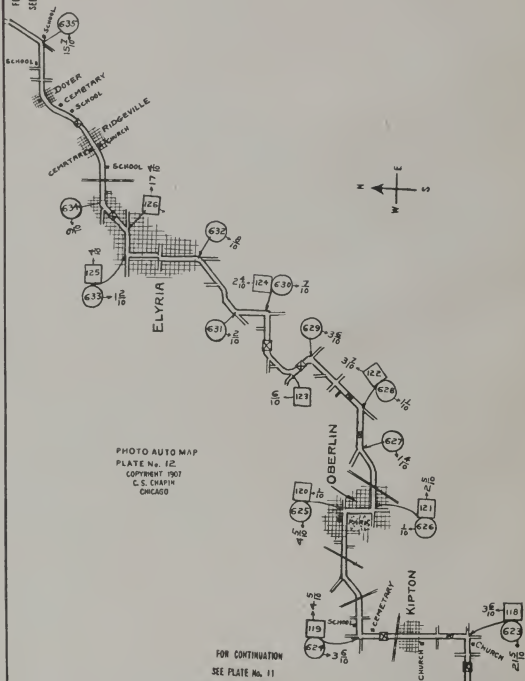
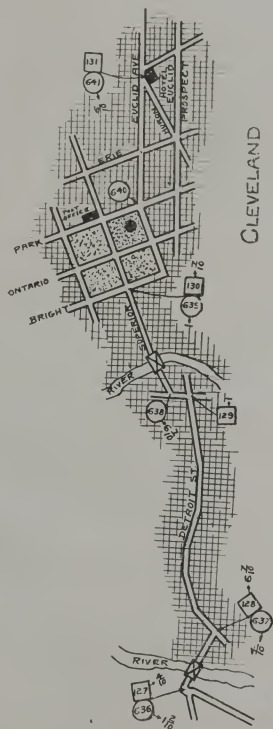


PHOTO AUTO MAP
 PLATE No. 12
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 C. S. CHAPIN
 CHICAGO

FOR CONTINUATION
 SEE PLATE No. 11



CLEVELAND



PHOTO AUTO MAP
PLATE NO. 13
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CHICAGO

FOR CONTINUATION
SEE PLATE NO. 12

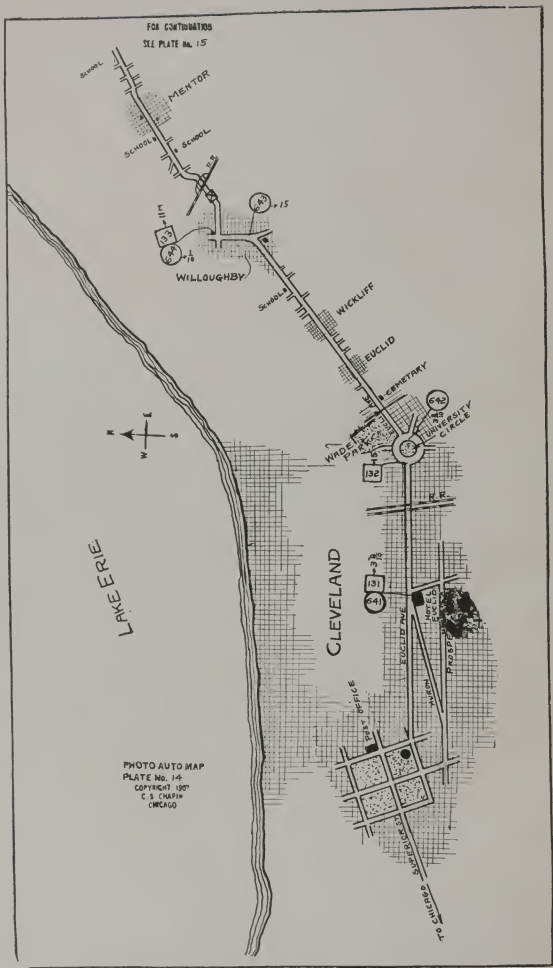


PHOTO-AUTO MAPS

CLEVELAND TO CHICAGO

No. 641



COLONIAL HOTEL, CLEVELAND, OHIO

STARTING POINT for run from Cleveland to Toledo.

The Colonial Hotel is a strictly first class, quiet, modern, fireproof Hotel. American and European plans with splendid restaurants. From Hotel go WEST to Ontario Street, then turn RIGHT to Public Square and next plate.

Memo.....

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No. 640



Take LEFT hand street at Square. Follow street around two sides of square to next photo.

Memo

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No. 639



Turn LEFT from Bright Street into Superior Street. Next photo at end of street, one mile.

No. 638



Make "S" turn from Superior Street into Detroit Street.
Next photo six and seven-tenths miles.

Memo

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No. 637



Turn RIGHT and follow pavement. Next photo after crossing bridge, four-tenths of a mile.

No. 636



Turn LEFT at end of bridge. Next photo at end of pavement, one and two-tenths miles.

Memo

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No. 635



Turn RIGHT at end of brick pavement. Dover, four and seven-tenths miles. Ridgeville, eleven and eight-tenths miles. Next photo in Elyria, fifteen and seven-tenths miles.

No. 634



Turn LEFT and follow car tracks. Next photo nine-tenths of a mile.

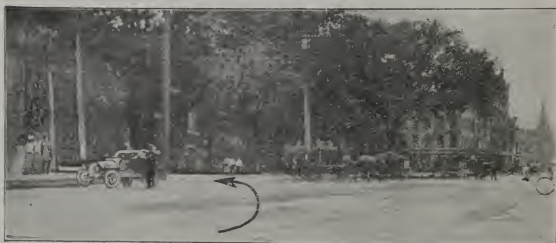
Memo

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No. 633



ELYRIA

Turn LEFT from Broad Street into Middle Street. Park on right after turning. Next photo one and two-tenths miles.

No. 632



Turn RIGHT and South-West. Follow car tracks. Next photo eight-tenths of a mile.

Memo

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No. 631



Turn LEFT at fork. Next photo two-tenths of a mile.

No. 630



Turn RIGHT and West. Follow trolley line. Next photo seven-tenths of a mile.

Memo

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No. 629



Turn RIGHT and follow trolley line. Next photo three and six-tenths miles.

No. 628



Turn RIGHT and follow trolley line. Next photo one and one-tenth miles.

Memo

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No. 627



Turn LEFT and follow trolley line. Next photo in Oberlin, one and four-tenths miles.

No. 626



OBERLIN

Turn RIGHT from College Street into Main Street. Park on left side after turning. Next photo two blocks.

Memo

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No. 625



Turn LEFT and West from Main Street into Lorain Street. Next photo four and five-tenths miles.

No. 624



Turn LEFT and South. Kipton, one and four-tenths miles.
Next photo three and six-tenths miles.

Memo

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No. 623



Turn RIGHT and West. Church on left after turning. Wake-
man, five and six-tenths miles. Townsend, ten and one-
tenth miles. Norwalk, sixteen and eight-tenths miles.
Next photo at end of road, twenty-one and five-tenths
miles.

No. 622



Turn RIGHT and North at end of road. Next photo in
Monroeville, five-tenths of a mile.

Memo

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No. 621



MONROEVILLE

Take LEFT road at monument. Next photo at end of road,
six-tenths of a mile.

No. 620



Turn RIGHT and North at end of road. Next photo one-tenth of a mile.

Memo

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No. 619



Turn LEFT and West. Follow wires. Next photo in Bellview, seven and seven-tenths miles.

No. 618



BELLVIEW

Turn LEFT into Main Street. Clyde, seven and six-tenths miles. Fremont, sixteen and six-tenths miles. Next photo in Woodville, thirty and five-tenths miles.

Memo

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No. 617



WOODVILLE

Keep to RIGHT and cross bridge. Next photo four-tenths of a mile.

No. 616



Turn RIGHT from Main Street. Next photo two and five-tenths miles.

Memo

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No. 615



Turn slightly to LEFT and follow trolley line. Genoa two and four-tenths miles. Next photo three and two-tenths miles.

No. 614



Turn LEFT and follow trolley line. Next photo in East Toledo, eleven and one-tenth miles.

Memo

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No. 613



EAST TOLEDO

Turn RIGHT from Woodville Street into E. Broadway.
Next photo seven-tenths of a mile.

No. 612



Turn LEFT from E. Broadway into Oswald Street. Next photo at end of street, five-tenths of a mile.

Memo

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No. 611



Turn LEFT into Front Street at end of Oswald Street. Next photo two blocks.

No. 610



Turn RIGHT from Front Street into Main Street and cross bridge. Next photo in Toledo, six-tenths of a mile.

Memo

No. 609



TOLEDO

Turn LEFT from Cherry Street into Summit Street. Next photo just around corner.

No. 608



Take RIGHT street at fork, turning from Summit into St. Clair Street. The Tavern (photo No. 607), two and one-half blocks.

Memo



ATWOOD GARAGE

2815 MONROE ST., TOLEDO, OHIO

This is the best garage in Toledo. Sundries, repairing and charging. Leave the Tavern on the LEFT and go two and one-half blocks to Monroe Street. Turn right into Monroe Street and go straight ahead to the garage. Agents for the Franklin, Elmore and Pope-Hartford.

No. 607



THE TAVERN, TOLEDO, OHIO

STARTING POINT of run from Toledo to South Bend. This hotel is the best in Toledo for the accommodation of tourists. European plan, with fine cafe and grill room in connection. Leave the Tavern on the LEFT and go two and one-half blocks to next photo.

Memo

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No. 606



Turn RIGHT from St. Clair Street into Monroe Street. Atwood Automobile Co. Garage on left hand side of Monroe St., one and three-quarters miles. This is one of the best Garages in the West. Next photo three and eight-tenths miles.

Memo

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No. 605



Turn LEFT and West. Follow wires. Next photo sixteen and five-tenths miles.

No. 604



Turn LEFT and South. Church on left, cemetery on right after turning. Next photo at end of road, one mile.

Memo

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No. 603



Turn RIGHT and West at end of road. Follow wires. Next photo three-tenths of a mile.

No. 602



Turn LEFT and South. Next photo at end of road, two and eight-tenths miles.

Memo

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No. 601



Turn LEFT and East at end of road. Follow wires. Next photo five-tenths of a mile.

No. 600



Turn RIGHT and South. Follow wires. Next photo leaving Swanton, two and nine-tenths miles.

Memo

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No. 599



SWANTON

Turn RIGHT and West leaving Swanton. Delta six and four-tenths miles. Next photo nine and one-tenth miles.

No. 598



Turn LEFT and South. Next photo one mile.

Memo

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No. 597



Turn RIGHT and West. School on right, church on left of turn. Next photo at end of road, one mile.

No. 596



Turn RIGHT at end of road. Cross railroad tracks, then turn left and continue West. Next photo three and six-tenths miles.

Memo

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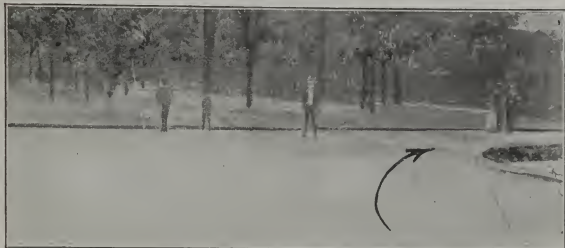
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No. 595



Turn LEFT and South. Next photo at end of street in Wauseon, one mile.

No. 594



WAUSEON

Turn RIGHT and West at end of Main Street. Park on left after turning. Next photo one and two-tenths miles.

Memo

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No. 593



Turn RIGHT and cross tracks, then continue West. Next photo seven and eight-tenths miles.

No. 592



Turn LEFT and South. Red brick school on right. Follow wires. Next photo in Archbold, one and four-tenths miles.

Memo

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No. 591



ARCHBOLD

Turn RIGHT and West from Main Street opposite Hotel Verniss. Next photo one mile.

No. 590



Turn LEFT and South. Leave wires. Next photo one and five-tenths miles.

Memo

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No. 589



Turn RIGHT and West. School on left after turning. Next photo at end of road, nine-tenths of a mile.

No. 588



Turn LEFT at end of road and go fifty feet, then turn right and continue West. Stryker three and eight-tenths miles. Next photo eight and seven-tenths miles.

Memo

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No. 587



Turn LEFT and South. Next photo two and four-tenths miles.

No. 586



Turn RIGHT and West. Next photo in Bryan, eight-tenths of a mile.

Memo

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No. 585



BRYAN

Turn LEFT and South into Main Street. Hotel Christman, the best hotel in Bryan, one block. Next photo three blocks.

No. 584



Turn RIGHT and West from Main Street. Court House on right. Next photo two blocks.

Memo

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No. 583



Turn LEFT and South. Church on right after turning.
Next photo three-tenths of a mile.

No. 582



Turn RIGHT and South-West. Mill on left of turn. Next photo three and four-tenths miles.

Memo

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No. 581



Turn RIGHT and West. School on left before turning. Next photo three and eight-tenths miles.

No. 580



Keep to RIGHT at fork. Pass school-house on left. Next photo at end of road, one and three-tenths miles.

Memo

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No. 579



Turn LEFT at end of road. Go one hundred and fifty feet, then turn right and continue West. Next photo at end of road in Edgerton, two and eight-tenths miles.

 PHOTO-AUTO MAPS—TOLEDO TO SOUTH BEND.

No. 578



EDGERTON

Turn LEFT at end of road. Go one hundred and fifty feet, then turn right and West. Next photo three-tenths of a mile.

Memo

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No. 577



Turn RIGHT and cross railroad tracks; then turn left and continue West. Next photo three and six-tenths miles.

No. 576



Turn LEFT and South. Cross railroad tracks. Next photo five-tenths of a mile.

Memo

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No. 575



Turn RIGHT and West. Follow wires. Butler three and one-tenth miles. Next photo after crossing tracks, six and five-tenths miles.

No. 574



Turn RIGHT and West after crossing tracks. Next photo at end of road, one and seven-tenths miles.

Memo

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No. 573



Turn LEFT at end of road. Go fifty feet, then turn right and continue West. Follow wires. Next photo, Waterloo, three and one-tenth miles.

No. 572



WATERLOO

Turn RIGHT and South entering Waterloo. Next photo one mile.

Memo

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No. 571



Turn LEFT on first road after crossing bridge. Next photo ten and six-tenths miles.

PHOTO-AUTO MAPS—TOLEDO TO SOUTH BEND.

No. 570



Turn LEFT and West. Follow wires. Next photo in Kendallville, three and three-tenths miles.

Memo

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No. 569



KENDALLVILLE

Turn LEFT and South into East Street. Next photo two-tenths of a mile.

No. 568



Turn RIGHT from East Street into Mitchell Street. Follow wires. Next photo six-tenths of a mile.

Memo

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No. 567



Turn RIGHT and North from Mitchell Street into Main Street. Next photo at end of road six-tenths of a mile

121
PHOTO-AUTO MAPS—TOLEDO TO SOUTH BEND.

No. 566



Turn LEFT at end of road. Next photo one-tenth of a mile.

Memo

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No. 565



Go STRAIGHT AHEAD and cross railroad tracks. Brimfield five and six-tenths miles. Next photo after crossing viaduct, five and nine-tenths miles.

No. 564



Turn LEFT and cross bridge; then turn right and continue West. Next photo at end of road, four and one-tenth miles.

Memo

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No. 563



Turn RIGHT and North at end of road. Follow most wires. Next photo in Wawaka, seven-tenths of a mile.

No. 562



WAWAKA

Turn LEFT and West. Red brick church on right. Follow wires. Next photo one and three-tenths miles.

Memo

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No. 561



Turn LEFT and West. Follow wires. Next photo eight-tenths of a mile.

No. 560



Turn RIGHT and West. School on left. Follow wires.
Next photo at end of road, two and four-tenths miles.

Memo

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No. 559



Turn RIGHT and North at end of road. Follow wires.
Next photo two-tenths of a mile.

No. 558



Turn LEFT and West. Follow wires. Next photo Ligonier, one and two-tenths miles.

Memo

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No. 557



LIGONIER

Turn RIGHT and North. Next photo four-tenths of a mile.

No. 556



Turn LEFT and West from Main Street. Next photo five and nine-tenths miles.

Memo

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No. 555



Turn RIGHT and North. School house on right. Follow most wires. Next photo at end of road, six-tenths of a mile.

No. 554



Turn LEFT and West at end of road. Follow wires. Benton four and two-tenths miles. Next photo entering Goshen, ten and eight-tenths miles.

Memo

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No. 553



Turn LEFT and West. Next photo in Goshen, six-tenths of a mile.

No. 552



GOSHEN

Turn RIGHT and North into Main Street. Next photo five-tenths of a mile. Hotel Hascal, the best in Goshen, opposite square on left side of Main Street. Goshen Automobile Co. opposite Hotel Hascal.

Memo

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No. 551



Turn LEFT from Main Street. Follow car tracks. Next photo after crossing bridge, four-tenths of a mile.

No. 550



Turn RIGHT into first street after crossing bridge. Next photo one mile.

Memo

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No. 549



Turn RIGHT and North. Next photo three and one-tenth miles.

No. 548



Turn LEFT and cross railroad tracks; then turn right and continue along tracks. Dunlap one mile. Next photo one and six-tenths miles.

Memo

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No. 547



Turn LEFT and West. Next photo Osceola, five and seven-tenths miles.

No. 546



OSCEOLA

Turn RIGHT; cross railroad tracks, then turn left and continue West. Mishawaka five and eight-tenths miles. Next photo South Bend, ten and one-tenth miles.

Memo

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No. 545



Turn RIGHT from Washington Street into Main Street. Hotel Oliver (photo No. 544) at this corner.

No. 544



HOTEL OLIVER, SOUTH BEND, IND.

This hotel is one of the best encountered between Chicago and New York. Every facility possible is provided for the comfort of its guests. Auto parties given special attention. Next photo (No. 543) two blocks.

Memo

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TWENTIETH CENTURY GARAGE

SOUTH BEND, IND.

Located one block WEST of Hotel Oliver and half a block South on Lafayette Street. This garage is equipped with a first-class machine shop, and special attention is given to tourists.

Memo

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No. 543



Turn LEFT, West. Turn from Main Street into La Salle Street, two blocks from the Hotel Oliver. Next turn two-tenths of a mile.

Memo

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No. 542



Turn RIGHT, West. Follow street car tracks to end of brick pavement. Next photo seventeen and one-tenth miles, after passing through New Carlisle, fourteen miles. Follow the wires.

No. 541



Turn LEFT, South-West. Cottage ahead on right at turn.
Next turn two and nine-tenths miles. Road on right leads
to Rolling Prairie.

Memo

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No. 540



STRAIGHT AHEAD, South-West. White frame dwelling
on left. Next photo seven and three-tenths miles.

No. 539



Turn LEFT. Mill on left, go to end of street and turn to right, go two blocks. Next photo five-tenths of a mile.

Memo

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No. 538



Turn LEFT, South. Large hole on right, small lake one block ahead on right. Next photo nine-tenths of a mile.

No. 537



Turn RIGHT, West. Next photo three-tenths of a mile.

Memo

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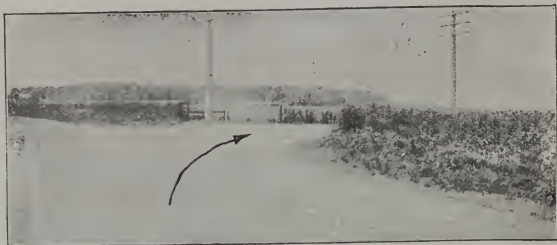
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No. 536



Turn LEFT. Next photo three-tenths of a mile.

No. 535



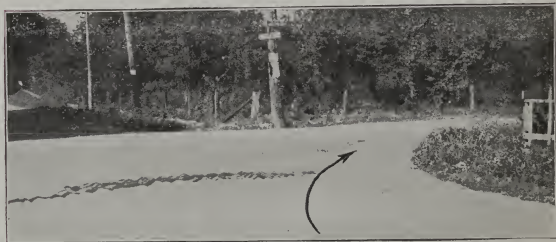
Turn RIGHT, West. Follow the wires. Next photo Westville, nine miles.

Memo

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No. 534



WESTVILLE

Turn RIGHT, North. After going one hundred and fifty feet turn left on Main Street in Westville, keep straight ahead through town, passing under R. R. embankment. Next photo eight-tenths of a mile.

No. 533



Turn LEFT, West, after passing under R. R. embankment.
Next photo two and three-tenths miles.

Memo

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No. 532



STRAIGHT AHEAD. Next photo after arriving at end of
road, turning to left and crossing small bridge, three and
five-tenths miles.

No. 531



Turn RIGHT, South-West. After crossing small bridge remain on main road. Next turn at cross roads, one and three-tenths miles.

Memo

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No. 530



Turn RIGHT, West. Cross roads. Next turn Valparaiso, two and six-tenths miles.

No. 529



VALPARAISO

Turn RIGHT, North. Go one hundred and fifty feet, then left on Main Street to end of town, passing railroad depot and viaduct. Next turn one and three-tenths miles. One block past Court House on same side of street is Hotel Lafayette. This hotel is the best between South Bend and Chicago. Special meal arrangements can be made by long distance telephone 991. One block beyond hotel is Zimmerman's garage—expert machinists always in waiting. After hours ring electric bell on side office door.

Memo

No. 528



Turn RIGHT, North. Next photo at group of barns and wind mill, two miles.

No. 527



Turn LEFT, West. Wind mills and group of barns on left.
Next photo Wheeler, four and seven-tenths miles.

Memo

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No. 526



WHEELER

Turn LEFT entering Wheeler. Look out for disguised bumps just beyond turn. Next turn at street's end, five-tenths of a mile. Reduce speed in village.

No. 525



Turn RIGHT, North-West. Next photo at "S" turn, six-tenths of a mile.

Memo

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No. 524



Continue going North after making "S" turn. Follow wires.
Next turn at road's end, one mile.

No. 523



Turn LEFT, West. Follow wires. Next turn Hobart, three and one-tenth miles.

Memo

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No. 522



Turn LEFT and go South to street's end, then right. Next photo two-tenths of a mile.

No. 521



Turn LEFT, South. Hobart depot on left, turn right after passing depot. Next turn in Hobart, three-tenths of a mile.

Memo

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No. 520



HOBART

Turn RIGHT, North-West. Follow the wires. Next photo Highlands, eleven and three-tenths miles.

No. 519



HIGHLANDS

Turn LEFT, West. Next turn two and three-tenths miles.

Memo

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No. 518



Turn RIGHT, North. Road-house on left. Next turn two and three-tenths miles.

No. 517



Turn LEFT, West. Saloon on right at turn. Next turn five-tenths of a mile.

Memo

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No. 516



Turn RIGHT, North. Next turn at Lafayette School, one and three-tenths miles.

No. 515



Turn LEFT, West. Lafayette School on right. Next turn one mile.

Memo

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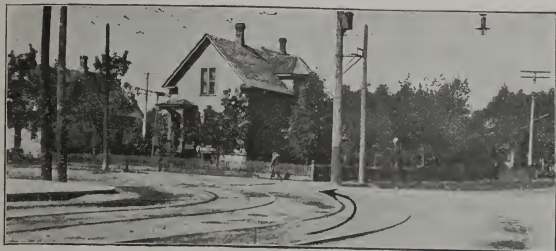
No. 514



HAMMOND

Turn RIGHT, North. Turn right from Sibley Street to Homan Avenue. Half a block beyond turn is the Majestic Hotel and Cafe. The management extends first class hotel facilities to automobile parties. Next turn one mile.

No. 513



Turn LEFT and go West. Go one block west and turn with car tracks. Next turn four miles.

Memo

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No. 512



Turn LEFT, North-West. Follow car tracks to Ewing Avenue, two and one-tenth miles.

No. 511



Turn RIGHT and go North, Ewing and Indianapolis Avenues. Follow car tracks across bridge to 92nd Street and Buffalo Avenue, one and eight-tenths miles.

Memo

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No. 510



Turn LEFT, 92d Street, South Chicago. Continue to Exchange Avenue. Next photo six-tenths of a mile.

No. 509



Turn RIGHT, Exchange Avenue, statue of Columbus on left. Next photo 83d Street, one mile.

Memo.....
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No. 508



Turn LEFT. Follow macadam to Jeffrey Avenue, one mile.

No. 507



Turn RIGHT, Jeffrey Avenue, follow macadam North.
Next photo two miles.

Memo.....
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No. 506



JACKSON PARK.

Enter park, turning LEFT upon first drive.

No. 505



Turn LEFT. Lagoon and stone bridge on right.

Memo.....
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No. 504



Turn RIGHT. Lagoon on right.

No. 503



Turn LEFT, red-tiled rest building on left. Tennis court and Golf links on left.

Memo.....
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No. 502



Turn RIGHT, small police box on left.

No. 501



Turn **LEFT**, red-tiled boat building on right. Leave park. Continue straight West upon Midway Drive, passing under Illinois Central Railroad viaduct.

Memo.....

No. 500



MIDWAY DRIVE.

Keep **STRAIGHT AHEAD**, crossing Cottage Grove Avenue trolley, and enter Washington Park, turning right, passing administration buildings of parks on right, follow drive left to long, low building on left. (Refectory.)

No. 499



Keep to RIGHT and North. Refectory on left. Leave park at 51st Street. Grand Boulevard five-tenths of a mile.

Memo

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No. 498



STRAIGHT AHEAD. Leave park at Grand Boulevard and 51st Street, passing statue of Washington. Next turn two miles, South Park Boulevard and 33rd Street.

275

PHOTO-AUTO MAPS—SOUTH BEND TO CHICAGO, ILL.

No. 497



Turn LEFT and go West, South Park Boulevard and 33rd Street. Next turn Michigan Avenue and 33rd Street, four-tenths of a mile.

Memo

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No. 496



Turn RIGHT and go North. Michigan Avenue and 33rd Street last turn.

No. 495



NEW SOUTHERN HOTEL

MICHIGAN AVENUE AND 13th STREET, CHICAGO, ILL.

FINISHING POINT of Photo-Auto Maps in Chicago Ill. is The New Southern Hotel, situated so convenient to "Automobile Row," it is really considered the very best Hotel in Chicago for automobile tourists. A more delightful place for visitors in Chicago could not be conceived. Their every convenience and comfort is studiously provided for. Splendid Cafe, Restaurant and Grill Rooms in connection. Good garage accommodations may be had one block south of Hotel.

Memo.....

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OF TOURING THAN A SET OF

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SPARK PLUGS

"THEY SPARK IN WATER"

**MORE
THAN
ORDINARY**



¶ To be free from the most frequent of road trouble, dirty, sooty, short-circuited plugs, is a pleasure which is yours if you will use Reliance Spark Plugs.

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rent is consumed and yet you will get the maximum heat in the spark.

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Our literature will tell you the whys and wherefores and impress upon you why Reliance Spark Plugs are *more than ordinary*.

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JEFFERY - DEWITT COMPANY

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is good enough for 5000 miles more if equipped with a

Triple Tread

3-ply steel studded, specially prepared leather and made a part of the old tire.

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PERFECT AUTO GLOSS

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Unexcelled for all kinds of Leather Upholstered Furniture such as Chairs, Sofas, etc.

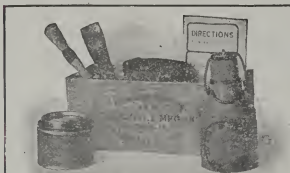
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Or With Cash Order



AKRON REPAIR KIT—\$1.00 Complete

NO MORE FLAT TIRES

Just Carry an AKRON REPAIR KIT

An acid cure process that vulcanizes the cement to the rubber, making it one solid piece, and by which any repair to your inner tube or casing is permanently made at any time and any place. **YOU ARE ON YOUR WAY IN A MOMENT**—and there is no hard work about it either, doesn't even soil your hands. Heat, moisture or hard usage will absolutely not affect a repair properly made with this cement and solution, and it's not injurious to the finest quality rubber.

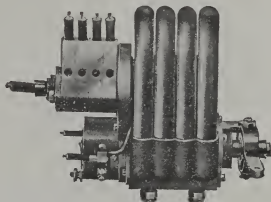
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Write us about the "Akron" Tire Boot and "Akron" Inside Repair Patch. We also manufacture the "Hohl Tight" Aluminum Vise for inner tube patching. Price, delivered, \$1.25.

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Will make a new motor
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HEINZE ELECTRIC CO.

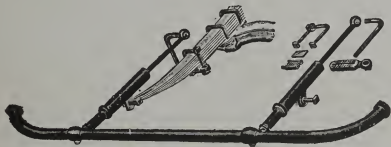
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"A Lock that Locks"

It is not necessary to drill your steering bar full of holes. Only one hole to drill and the lock is ready to place in position. Interchangeable combination. THIEF PROOF. Absolutely keyless. Ask your dealer or write direct for descriptive matter.



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ROCHESTER, IND.

IS IT REASONABLE TO SUPPOSE that oversixty leading manufacturers of automobiles would use and recommend



for transmissions and bearings if these lubricants did not show best results in increasing efficiency, preventing wear, economizing gasoline and promoting cleanliness. Don't sacrifice your car for a doubt — try non-fluid oils.

"IT SUITS, BECAUSE IT DOESN'T SOOT"

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for cylinder lubrication accomplishes what is claimed for other oils by lubricating effectively and economically without carbonizing. It increases engine efficiency — permits greater speed and power on less gasoline.

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**"THAT STRANG" SPARK PLUG
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Automobile Radiator
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Canister, \$1.00

You can't afford to ruin your expensive
Radiator and Water Jacket through corrosion,
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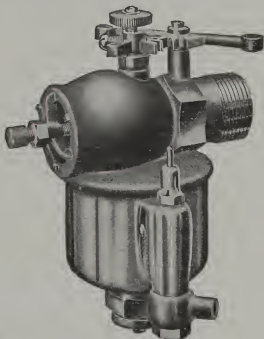
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WATER JACKETS and RADIATORS, CREATES
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It is simply and compactly
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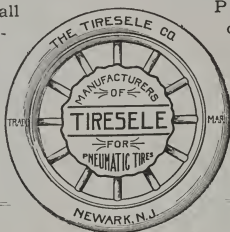
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HAS A REINFORCED
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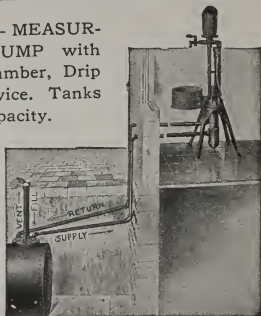
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Outfit consists of DOME SELF - MEASURING, PRICE COMPUTING PUMP with Tokheim Patent Priming Chamber, Drip Pan, Gauge Rod and Locking Device. Tanks furnished in any desired capacity.

Pump can be furnished with Special Three-Way Discharge Valve and with Counter which registers the amount discharged up to 9999 gallons and repeats.

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Dome Outfit No. 4.

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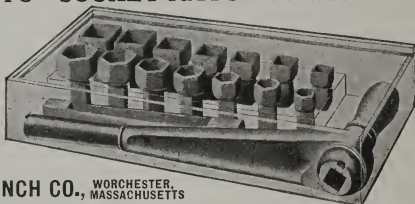
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All our Ratchet Wrenches are reversible and work right or left handed at pleasure without removing the Wrench.

All kinds and sizes. Send for catalogue.



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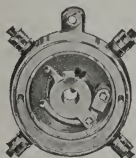
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OF EVERY KNOWN TYPE
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Is made IN ONE PIECE from asbestos.

Is impregnated in such a manner that it is proof against heat, oil and grease.

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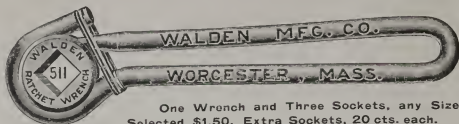
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One Wrench and Three Sockets, any Size
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Hexagonal Sizes Only
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No. 08	$\frac{1}{2}$
No. 09	$\frac{9}{16}$
No. 010	$\frac{5}{8}$
No. 011	$1\frac{1}{16}$
No. 012	$\frac{3}{4}$
No. 014	$\frac{7}{8}$
No. 015	$1\frac{5}{16}$
No. 016	1
No. 017	$1\frac{1}{8}$
No. 018	$1\frac{3}{8}$
No. 020	$1\frac{1}{2}$

THE ONLY THREE-PIECE RATCHET WRENCH. NOTHING TO GET OUT OF ORDER. SIMPLEST POSSIBLE TOOL. THE HANDLE IS WIRE—BUT IT CAN'T BREAK—IT WON'T BEND—IT WILL STAND THE STRAIN—A STRONG, SERVICEABLE WRENCH, THOROUGHLY WELL MADE; Best of Selected Stock; Nickel Finish.

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Restores the shine and surface to the body, leather trimmings, cushions and top, prolongs the life of the finish and greatly improves the appearance of the car.



The Metal Polish with the Elbow

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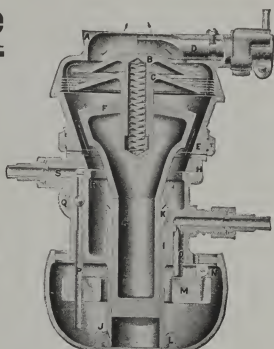
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on the minimum of **FUEL**.
You want quiet running and
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THE **STEWART PRECISION CARBURETOR**

will get you these results better than any instrument
you have ever used, or your money will be refunded.

NEW PRINCIPLE.

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THE RESULT

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MOBO AUTOMOBILE CLEANSER

is made as good as automobile soap can be made. It has a substantial body. Therefore it cleans easily, quickly and thoroughly. MOBO is also absolutely free from uncombined alkali. Because of this it works without injury. These things about MOBO mean much. They mean clean, bright cars, also long life to varnish and paint. Therefore we suggest—try MOBO—in 50c and \$1.00 cans.

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is made of Castile Soap, powdered Pumice-stone and green Olive Oil. These three SHOFO ingredients show a quick, easy and effective working out. To explain, the Castile Soap washes, the Pumice-stone scours and the Olive Oil keeps the skin soft. This SHOFO way of hand cleansing is ease, speed and delicacy combined. It is better than all others. Therefore we say—try SHOFO. In 10c and 20c cans.

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is different from all other metal polishes. It is one that eliminates the wait-while-it-dries feature. Also that rub-rub-rub which does tire. Instead the HYGLO way is quick, easy and sure. Then further a HYGLO shine is always even and brilliant, and one also that stays lonic. In that regard a HYGLO shine is distinctly long-lived, and the only one that is a real all-day shine. 15c, 25c and \$1.50 cans.

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is good for cars minus part of the fine varnished finish they had when new. That because LEVO fills in dips and covers up bare spots. At the same time LEVO gives a polish equal to a new coat of varnish, which does not wear off quickly, or come off in washing, because LEVO is an oil preparation and is waterproof. So if your car shows varnish departed, but not enough to warrant the paint shop—Try LEVO, and it will make the car look new. In 25c, 50c and \$1.00 bottles.

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Over 8,000 miles with a Cadillac on Diamond Dunlop type tires and no tire trouble at all. That's what I think of the Diamond Dunlop Style of tires.

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WRAPPED TREAD TIRES ARE FOR YOU

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I can well imagine that you receive many testimonials for Diamond tires, but I wish to add mine—that Diamond tires on my Peerless Car have been nothing short of extraordinarily fine.

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Much Better

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Quick Detachable

Regular Clincher

Mechanical (Dunlop)

And Fisk Types

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Never Kleep Tire Shoes



This shoe is specially prepared with a cement coating, ready for instant use. Clings to inside of casing, same as if vulcanized.

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HAZARD OF NIGHT DRIVING

is reduced to the minimum only if you use reliable burners. The safety of both car and passengers depends then on this apparently unimportant little unit. "A chain is no stronger

than its weakest link." No matter how good your lamps or gas supply, unless you have the best burner procurable. When your lamps are new from the factory, they are equipped with some style of Alco burner, for all important lamp makers use ALCO. Then why not insist on Alco again when replacing broken and worn out burners? All dealers sell—we do **not** sell to consumers direct.

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Alco DeLuxe Genuine German Lava. All gas sizes. Hexagon base (Pat. Dec. 24, 1907) permits easy installation with wrench or pliers.

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**Always
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Have a
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put on your
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1910

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All in One Fits All Cars Nothing Like It

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THAT CAN BE REPAIRED WHEN YOU GET HOME

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attached to the rim of the wheel carrying the
disabled tire, will enable you to drive for miles

EASY TO PUT ON LIGHT WEIGHT REASONABLE PRICE

Can be attached in less than one minute without removing the punctured tire

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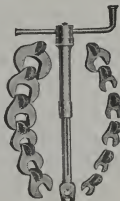
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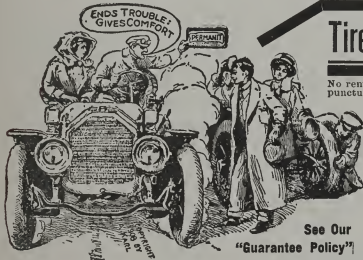


is exclusive. No other carburetter on the market has an automatically controlled needle valve which apportions the exact amount of gasoline for the given amount of air, making the quality of the mixture constant, whether running five or fifty miles per hour, up or down grade.

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"Permanit"

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See what our customers say about it:

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"My Dear Sirs—I have used the auto car in the tires of which you put the material you call "PERMANIT," since November 21, 1907. It has not been necessary to pump up the tires since, although we have taken out of the tires several nails, tacks and pins. It appears to me to do the work."

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Sounds unbelievable, but it really does it. Besides, keeps the tires in good condition and increases their life.

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Extra Long.

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INCORPORATED 1900

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PATENTED
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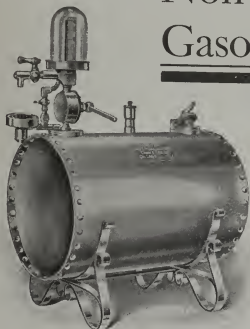
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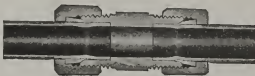
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TIRE SLEEVES

They are an "ever ready" relief for blow out troubles.

Heat and cold, mud and water, will not injure them.

Made in three sizes, viz:

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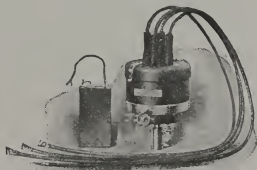
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Same object, same distance, seen
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Eighteen power magnification (other powers in proportion), with a field 607 feet in diameter, at one mile distance, as bright from edge to edge and every detail as sharply defined as in an opera glass, is what you get in the

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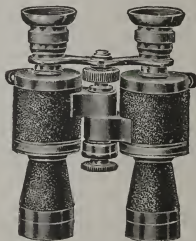
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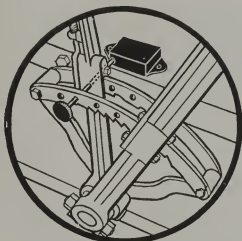
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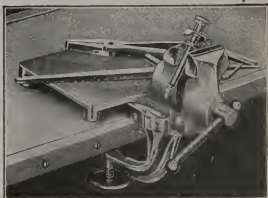
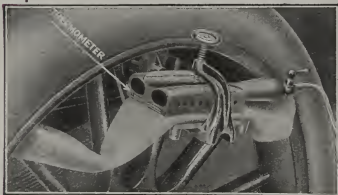
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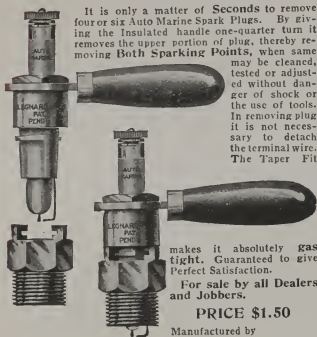
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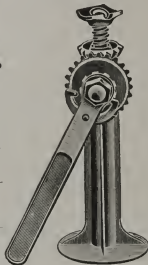
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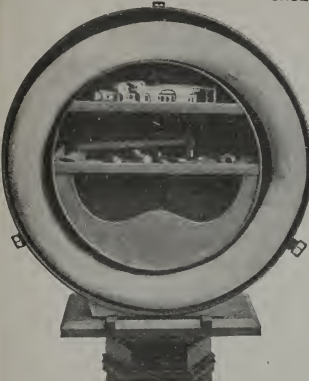
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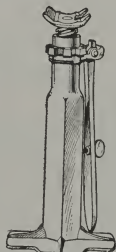
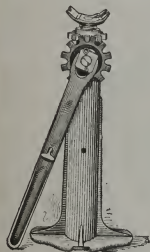
Cut shows case with cover removed, displaying tires, jacks, tools, etc. The lower space within the circle holds hats, caps, gloves inner tubes—or any articles used in touring. The tire space takes two shoes, the upper spaces a full tool equipment, thus doing away with all other appliances for carrying extras. The cost of the Dow Tire and Tool Case is much less than that of the many pieces of equipment needed if this case is not used on your car. Patent pending.

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U. S. AND ATLAS AUTO JACKS

Patent Allowed.



1907 Atlas Nos. 1, 2, 3.

U. S. Jack No. 1.

Height over all, No. 1 10 inches. No. 2, 11 3/4 inches. Weight No. 1, 5 lbs.; No. 2, 6 lbs.

The lever has an up and down motion. It is slotted at the end so as to move in or out, to engage from 1 to 4 teeth of the wheel.

The head revolves on the end of the screw so that the Jack can be worked at any angle or in cramped places. The head fits the truss brace, round or square axle.

Raises any automobile with wheels 22 inches or over. You cannot have an accident with this jack.

The screw is one inch in diameter.

For quick work raise the screw up against the axle and spin the nut down until tight then two or three strokes of the lever raises the wheel.

A good jack is just as essential as good roads.

See that your car is equipped with either a U. S. or Atlas Jack. Simple, durable, guaranteed.

List price, No. 1 \$2.50; No. 2 \$3.00.

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You Can Control This Automobile Horn Perfectly



This Sireno Electric Horn is so flexible that by varying the pressure on the switch you can produce a gentle purr for the city streets, or a blast that can be heard over a mile away in the country.

The Sireno produces a powerful, musical note. It starts instantly, yet the minute the switch is released a patented, magnetic brake automatically stops the motor.

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The Sireno is reliable, for it is operated by the regular six-volt ignition battery. It is independent of the engine—never fails to work—doesn't drain the ignition battery. And if you have a magneto, any six-volt battery will run the horn. The Sireno is built of the best materials and is beautifully finished. It is light—compact—easily put on your car in a few minutes.

The Sireno is ball-bearing throughout—self cleaning—perfectly protected from dust and water. It needs no care—has no vibrator—nothing to wear. And you can place the switch wherever you want it. Price \$33 complete.

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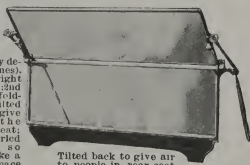
If your dealer hasn't the Sireno, send us \$5— or \$25 for the Junior—and let us ship you a Sireno. If you are not satisfied that it is the best horn made, return it to us. We will refund your money at once. But write immediately. We may not be able to fill your order if delayed. Address Department "S."

The Sireno Co., 39-41 Cortlandt St., N. Y.

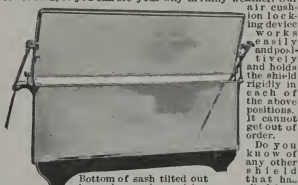
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It can be rigidly held in four positions (the only desirable ones). 1st. Upright or closed; 2nd. Down or folded; 3rd. Tilted back to give air to the back seat; 4th. Carried forward so as to make a clear space between the upper and lower sash, so you can see your way in rainy weather. Our



Tilted back to give air to people in rear seat and still keep out storm.



Bottom of sash tilted out to make a clear vision space in case of rain and still keep out the storm.

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POWELL PRESSED STEEL MUFFLER, PATENTED



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Represents the Finest Product of the Wind Shield Art.
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A=B=C ENGINE-DRIVEN TIRE PUMP

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Easily attached to ANY CAR

SMALL, LIGHT, CONVENIENT

110 LBS. PRESSURE IN 4 1-2 MINUTES

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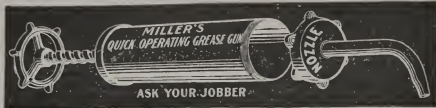
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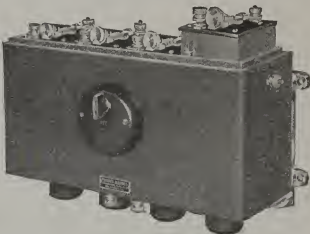
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Uses ANY standard No. 6 Dry cell,
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All connection automatically made by
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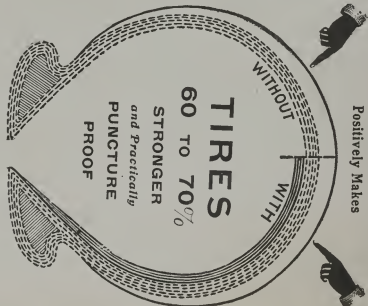
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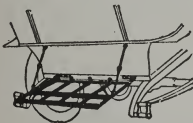
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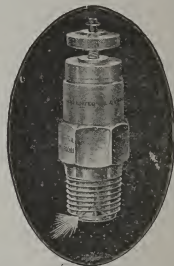
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the central firing pin or point has been eliminated
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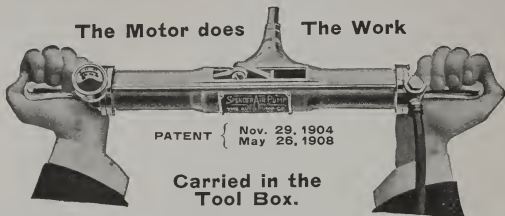
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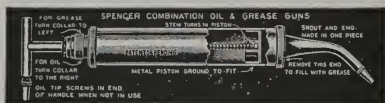
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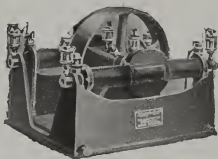


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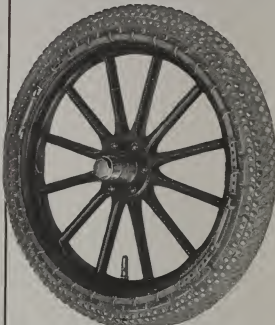
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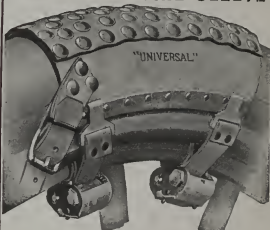
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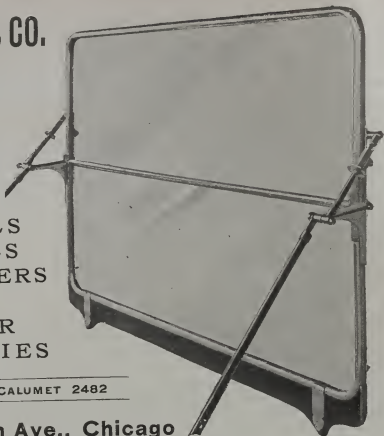
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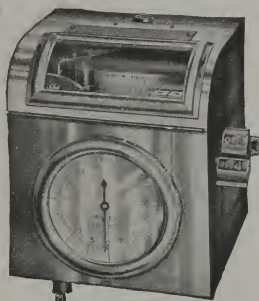
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It Stands in a
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It is made by a
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having 20 years'
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1909

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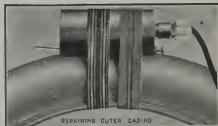
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"Chloride Accumulator" "Tudor Accumulator" "Exide Accumulator"



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Buy a Buffalo Electric Vulcanizer and
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outer casing or inner tube—for a few cents
at night for next day's touring. Don't go
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SAVE TIME, SAVE MONEY, SAVE PATIENCE

Our introductory price will surprise you.
Write today for "Tire Troubles."

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Covers, Fabric Goods of Every Description

Write for our "1909" Catalogue and Price List

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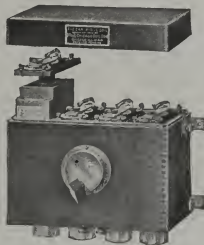
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In Actual Brake Tests this Plug has shown Greater Horse Power than any other



John B. Anderson, M. D.

01809 Division Street, Spokane, Wash.
May 27, 1909.

The National Steel Products Co.,
Cleveland, Ohio.

Gentlemen:

Enclosed please find my check in the sum of Eight Dollars for which send me four spark plugs. I have tried plugs of several different makes. Yours is the best ever. I have a set that I have used in my Ford Model N Car for a year. Yesterday I went for a seventy mile run, and as one of my plugs is in poor condition, the mica being broken, I purchased a new plug said to be soot proof and to spark in oil and water. I made the run of thirty-five miles with the engine being erratic after the first few miles, and as I was loosing power on the hills I examined the plugs, found the New Plug as black as soot itself, and the other three plugs all with a sparking surface. I brushed them off with a stiff brush, and put in my old dilapidated plug and made the other thirty-five miles without mishap. **I do not give a D— whether a plug will spark in oil and water. I want one that will spark in the cylinder, and permit me to say that your plug will do it.** I think that you will make the other fellows sit up and take notice. I tell you this now, as post mortem roses have their beauty lost to the fellow most interested.

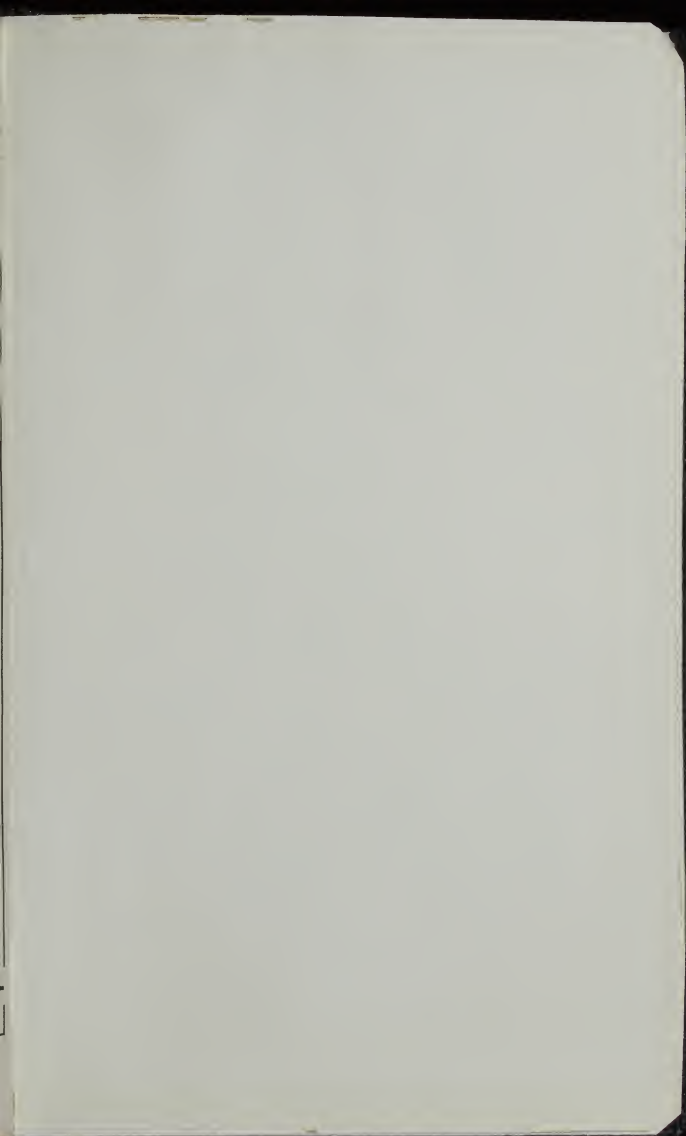
Yours very truly,

JNO. B. ANDERSON.

We are supplying a number of the largest automobile manufacturers, who have previously contracted for other plugs, with our Spiral Core, Blue Blaze and Rapid Fire Plugs, for 1909 use, they having discontinued other plugs because of better results from ours.

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